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Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

February 26, 2002

Bryan Olson
EPA Project Coordinator
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: GE-Pittsfield/Housatonic River Site
Floodplain Residential Properties Downstream of Confluence –
Actual/Potential Lawns *(GECD730)*
Pre-Design Investigation Work Plan

Dear Mr. Olson:

Enclosed is the General Electric Company's (GE's) *Pre-Design Investigation Work Plan for Floodplain Residential Properties Downstream of the Confluence*. In accordance with the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, this Work Plan contains GE's proposal for the initial pre-design soil investigations for the Actual/Potential Lawns (as defined in the CD) of current residential properties that are located, at least in part, within the floodplain of the Housatonic River downstream of the confluence of the East and West Branches of the river and that have been found to contain (or may contain) PCBs at concentrations above 2 ppm. For the floodplain stretch between the confluence and Woods Pond Dam, the properties subject to this Work Plan have been identified based on the *Statement of Work for Removal Actions Outside the River* (SOW) (which is Appendix E to the CD), as modified by EPA's final draft report titled *Phase 1 Human Health Risk Assessment for Rest of River* (November 2001) (Phase 1 HHRA Report). For the stretch downstream of Woods Pond Dam, the floodplain residential properties subject to this Work Plan have been identified based on EPA's Phase 1 HHRA Report.

For these properties, the proposed pre-design soil investigations described in the enclosed Work Plan focus on the Actual/Potential Lawns (as defined in the CD) of such currently residential properties. As you know, the other portions of these properties (as well as the river itself and the non-residential properties downstream of the confluence) will be addressed separately under the CD as part of the Rest of River. However, in the meantime, as required by the CD and the SOW, the enclosed Work Plan proposes limited sampling of the top six inches of soil on the riverbank and other non-Actual/Potential Lawn portions of the residential properties subject to this Work Plan (where such portions exist), so as to apply certain PCB trigger levels specified in the CD and SOW for implementation of short-term measures (STMs) such as the installation of warning signs.

In this Work Plan, to determine the extent of the Actual/Potential Lawns of these properties, GE has relied primarily on the mapping in the SOW and in EPA's Phase 1 HHRA Report (supplemented, in a few

cases, by visual observations). However, prior to performing the pre-design investigations, GE will conduct a more detailed reconnaissance of these properties to better define the extent of the Actual/Potential Lawns, particularly in the reach downstream of Woods Pond Dam. Thus, the sampling locations proposed in this Work Plan are subject to modification based on that reconnaissance.

In addition, this Work Plan is proposing an iterative approach to the pre-design soil investigations at these properties. The sampling proposed in this Work Plan is intended to constitute an initial round of sampling for PCBs in soil. Once the PCB data from this initial sampling have been received, GE will assess both (a) the need for and scope of supplemental PCB sampling at these Actual/Potential Lawn areas to address any identified data needs, and (b) the need for and scope of soil sampling for other constituents in these areas.

Finally, this Work Plan does not propose a specific schedule for the performance of the initial pre-design investigations described therein. GE would like to discuss with EPA the overall timing for such investigations and any subsequent response actions at these floodplain residential properties. Following such discussions, GE will separately submit to EPA, for review and approval, a proposed schedule for the performance of the initial pre-design investigations at these properties.

We look forward to discussing with EPA both the scope and timing of the investigations proposed in this Work Plan. In the meantime, please call me if you have any questions about this Work Plan.

Very truly yours,

Andrew Silfer/sl

Andrew T. Silfer, P.E.
GE Project Coordinator

Enclosure

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REPORT

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Pre-Design Investigation Work Plan for Floodplain Residential Properties Downstream of the Confluence

General Electric Company
Pittsfield, Massachusetts

February 2002

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BLASLAND, BOUCK & LEE, INC.
engineers & scientists

REPORT

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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD governs (among other things) the performance of Removal Actions (as needed) to address polychlorinated biphenyls (PCBs) and other hazardous constituents in soils, sediment, and groundwater in several Removal Action Areas (RAAs) located at or near Pittsfield, Massachusetts, that are included within the GE-Pittsfield/Housatonic River Site (the Site). For each Removal Action, the CD and accompanying *Statement of Work for Removal Actions Outside the River* (SOW) establish Performance Standards that must be achieved, as well as specific work plans and other documents that must be prepared to support the response actions for each RAA. These work plans/documents include a Pre-Design Investigation Work Plan, a Pre-Design Investigation Report, and Removal Design/Removal Action (RD/RA) Work Plan(s).

This *Pre-Design Investigation Work Plan for Floodplain Residential Properties Downstream of the Confluence* (PDI Work Plan) describes the soil investigations proposed by GE for the RAA designated in the CD and SOW as the Housatonic River Floodplain Current Residential Properties Downstream of Confluence – Actual/Potential Lawns (hereinafter "Downstream Floodplain Residential Properties"). This RAA consists of the Actual/Potential Lawns (as defined in the CD) of current residential properties that are located, in part, in the floodplain of the Housatonic River downstream of the confluence of the East and West Branches of the river and that have been found to contain (or are likely to contain) PCBs at concentrations above 2 parts per million (ppm). The river downstream of the confluence, as well as the non-residential properties in that stretch and the portions of the residential properties in that stretch that do not constitute Actual/Potential Lawns, will be addressed separately under the CD as part of the Rest of River. However, the CD and SOW require, as part of the actions to address the Downstream Floodplain Residential Properties, that if PCB levels in the top six inches of soil in the non-Actual/Potential Lawns portions of such properties exceed certain trigger levels specified in the CD and SOW, GE must implement appropriate short-term measures (STMs), such as installation of warning signs, in such areas.

The SOW identifies the Actual/Potential Lawns of 12 residential properties located between the confluence (in Pittsfield) and Woods Pond Dam (in Lenox) as falling within the Downstream Floodplain Residential Properties RAA. In addition, it provides that this RAA will include the Actual/Potential Lawns of residential properties downstream of Woods Pond Dam where PCBs have been found in excess of 2 ppm. In November 2001, EPA issued a final draft document entitled *Phase 1 Human Health Risk Assessment for Rest of River* (Phase 1 HHRA Report). In that report, based on a review and evaluation of EPA's soil sampling data from residential properties in the floodplain, EPA made certain modifications to the list of residential properties between the confluence and Woods Pond Dam that must be addressed by GE as part of the Downstream Floodplain Residential Properties; and it also identified a number of residential properties downstream of Woods Pond Dam that contained (or may contain) PCB concentrations greater than the screening concentration of 2 ppm and thus would be transferred to GE to address as part of the Downstream Floodplain Residential Properties. In total, based on review of the Phase 1 HHRA, there are 36 current residential properties whose Actual/Potential Lawns are included in the Downstream Floodplain Residential Properties RAA and thus are covered by this PDI Work Plan.

This PDI Work Plan describes GE's proposed initial pre-design soil investigations for these residential properties. As discussed further below, these initial soil investigations are focused on PCBs and are designed to: (1) characterize the extent and concentrations of PCBs in the Actual/Potential Lawn portions of these properties; and (2) obtain data, where necessary, on the concentrations of PCBs in top six inches of soil in the other (non-Actual/Potential Lawn) portions of these properties so as to apply the STM trigger levels. For purposes of this Work Plan, GE has relied primarily on the topographic maps included in the SOW to determine the extent of the Actual/Potential Lawns areas for the properties between the confluence and Woods Pond Dam and on the aerial photographs included in EPA's Phase 1 HHRA Report to estimate the extent of the Actual/Potential Lawns for the properties downstream of Woods Pond Dam. However, prior to performing these investigations, GE will conduct a more detailed reconnaissance to better define the extent of these Actual/Potential Lawns, particularly in the reach downstream of Woods Pond Dam. The sampling locations proposed herein are subject to modification based on that reconnaissance. Once the PCB data from the initial pre-design sampling have been received, GE will assess the need for supplemental PCB sampling to address any identified data needs, and will present the results of that evaluation, together with a proposal, if warranted, for such additional sampling, in an Addendum to this PDI Work Plan.

In addition, following the initial investigations, GE will evaluate the need for and scope of additional sampling for non-PCB constituents. At the present time, GE anticipates that it may be able to eliminate the need for

sampling for such other constituents based on: (1) EPA's screening-level evaluation of non-PCB constituents other than dioxins and furans for the sediments and floodplain and riverbank soils in the portion of the Rest of River area between the confluence and Woods Pond Dam; and (2) a comparison of the existing data on dioxins/furans (converted to Toxicity Equivalency Quotients (TEQs)) to the Performance Standards specified in the SOW for dioxin/furan TEQs. For example, if, based on existing data, EPA screens out all non-PCB, non-dioxin/furan constituents from the need for further sampling or evaluation in the river, riverbank, and floodplain for the reach between the confluence and Woods Pond Dam, it seems reasonable that those constituents should likewise be screened out from the need for further sampling at the Actual/Potential Lawns portions of the Downstream Floodplain Residential Properties. Similarly, if the existing dioxin/furan TEQ data show no exceedances of the applicable Performance Standards within this reach, it would be reasonable to screen out those constituents as well from the need for further sampling at the properties within this RAA. This approach is particularly appropriate for these Downstream Floodplain Residential Properties given the number of intervening potential sources of non-PCB constituents between the GE Plant in Pittsfield and these downstream floodplain properties. The results of these evaluations will also be presented in an Addendum to this PDI Work Plan. (This approach is discussed further in Section 4.4 of this PDI Work Plan.)

Following completion of any necessary additional sampling, GE will submit a Pre-Design Investigation Report. The results of all pre-design investigations, in combination with usable prior data, will then be used to support the subsequent evaluation and design of any soil-related response actions that may be needed to achieve the Performance Standards at the Downstream Floodplain Residential Properties.

1.2 Format of this Work Plan

The remainder of this PDI Work Plan is presented in five sections. Section 2 describes the Downstream Floodplain Residential Properties covered by this Work Plan RAA, and provides a summary of background information concerning prior soil investigations and available soil analytical data. Section 3 discusses the applicable Performance Standards identified in the CD and SOW for soil-related response actions, as well as the pre-design soil investigation requirements. Section 4 presents an assessment of the usability of existing PCB data to satisfy pre-design investigation requirements, and it describes the proposed additional soil sampling for PCBs, GE's proposed approach to evaluating the need for sampling for other constituents, and other proposed pre-design activities (e.g., obtaining necessary survey and land use information). Section 5 discusses the

schedule for implementing the pre-design investigations. Finally, Section 6 provides a brief summary of anticipated Post-Removal Site Control activities following completion of this Removal Action.

Due to the number and location of individual properties in this RAA, those properties have been divided into 22 groups for purposes of reviewing the existing PCB data and presenting the scope of additional PCB soil sampling to support RD/RA evaluations under the CD and SOW. These groups are identified on Figures 1-1 and 1-2. For each group, this PDI Work Plan includes a table summarizing the existing PCB analytical data from the properties in that group and a figure showing those prior sampling locations and the proposed additional pre-design soil sampling locations for those properties. A description of that proposed pre-design sampling is also included in Section 4.3 of this PDI Work Plan on a group-by-group basis.

2. Background Information

2.1 General

This section of the PDI Work Plan provides a general summary of information concerning the Downstream Floodplain Residential Properties. Section 2.2 describes those properties, while Section 2.3 summarizes the prior soil investigations that have been conducted by both GE and EPA at these properties. To support this information, several tables and figures are included in this PDI Work Plan.

2.2 Description of Downstream Floodplain Residential Properties

As previously indicated, the Downstream Floodplain Residential Properties RAA consists of the Actual/Potential Lawns of current residential properties downstream of the confluence of the East and West Branches of the Housatonic River where at least a portion of such Actual/Potential Lawn lies within the floodplain of the river. The CD defines Actual/Potential Lawns as all areas of these current residential properties "except the riverbanks and those areas at which the wet nature or steep slope of the ground surface results in potential exposures that are inconsistent with residential use" (CD ¶ 4). For purposes of this RAA, the SOW defines the "floodplain" between the confluence and Woods Pond Dam as the area between the top of the riverbank and the approximate 1 ppm isopleth line. In addition, as noted above, as part of the actions at this RAA, an evaluation is required of the top six inches of soil in the non-Actual/Potential Lawn portions of these properties to determine whether PCB concentrations exceed the specified STM trigger levels. Otherwise, those portions of these properties will be addressed separately as part of the Rest of River.

The SOW identifies 12 residential properties between the confluence and Woods Pond Dam where all or a portion of the Actual/Potential Lawn is within the floodplain. However, in EPA's Phase 1 HHRA, four of these 12 residential properties were eliminated from further consideration since PCB concentrations did not exceed EPA's residential floodplain soil screening risk-based concentration of 2 ppm. That leaves eight residential properties in this reach (one of which consists of two commonly owned tax parcels) as part of this RAA. Further, EPA's Phase 1 HHRA identifies 28 residential properties downstream of Woods Pond Dam (all located in the reach between Woods Pond Dam and Rising Pond Dam and two of which consist of two commonly owned tax parcels) as having (or potentially having) PCB concentrations greater than the EPA's soil screening

risk-based concentration of 2 ppm and thus as being "transferred to GE" for further evaluation. (The Phase 1 HHRA also identifies five other residential properties between Woods Pond Dam and Rising Pond Dam which have not been sampled but will be transferred to GE if the sampling on adjacent properties indicates PCB concentrations greater than 2 ppm.) The 36 residential properties that are currently part of the Downstream Floodplain Residential Properties RAA and are thus addressed by this PDI Work Plan are listed (by group) in Table 2-1, and their locations are shown (again by group) on Figures 1-1 and 1-2. As part of prior investigations performed by GE and/or EPA, 32 of these properties have been subject to prior soil investigations.

2.3 Summary of Available Soil Analytical Data

There is a substantial amount of available soils data associated with the Downstream Floodplain Residential Properties. Information from prior soil investigations performed by GE has been presented in numerous submittals to EPA and/or MDEP. In addition, over the last few years, EPA has conducted floodplain soil sampling for PCBs and non-PCB constituents. The GE-prepared documents that were reviewed during the development of this PDI Work Plan are listed below:

- *Summary of Housatonic River Floodplain Property Sampling and Analysis*, BBL, October 1992;
- *Evaluation of Need for Short-Term Measures in the Housatonic River Floodplain*, BBL, November 1992;
- *Report on January 1993 Housatonic River Floodplain Property Sampling and Analysis*, BBL, February 1993;
- *Short-Term Measure Proposals for the "90-Day" and "120-Day" Properties within the Housatonic River Floodplain*, BBL, October 1993;
- *Housatonic River Floodplain Properties Results of Supplemental Site Characterization Sampling*, BBL, February 1994;
- *Housatonic River/Silver Lake MCP Supplemental Phase II Investigation/RCRA Facility Investigation Quarterly Progress Report December 16, 1994 - March 15, 1995*, BBL, March 1995;

- *Housatonic River/Silver Lake MCP Supplemental Phase II Investigation/RCRA Facility Investigation Quarterly Progress Report June 16, 1995 - September 15, 1995*, BBL, September 1995;

- *Supplemental Phase II/RCRA Facility Investigation Report for Housatonic River and Silver Lake*, BBL, January 1996;

- *Supplemental Phase II/RCRA Facility Investigation Report for Housatonic River and Silver Lake Analytical Data for September 1994 through December 1995*, BBL, March 1996;

The investigations performed by GE and summarized in the reports listed above have resulted in the collection of 335 soil samples for analysis of PCBs.

In addition to the prior investigations performed by GE, EPA has performed soil sampling activities within or near several of the Downstream Floodplain Residential Properties. Such information has been provided to GE through an ongoing database exchange conducted between GE and EPA. In addition to the database exchange between GE and EPA, more recent soil sampling efforts have also been reported in EPA's Phase 1 HHRA Report. The EPA investigations (including data provided through the February 2002 database exchange) have resulted in the collection and analysis of 269 soil samples for analysis of PCBs, as well as 8 soil samples for analysis of some or all of the constituents listed in Appendix IX of 40 CFR Part 264. The PCB samples collected by EPA were analyzed for PCBs using an analytical procedure carried out at a mobile laboratory, with approximately 10% of those samples also sent to EPA's regional laboratory for confirmation analysis.

The existing PCB soil data for each group of properties within the Downstream Floodplain Residential Properties RAA are presented in the group-specific tables discussed in Section 4.3 of this PDI Work Plan (Tables 4-1 through 4-22). Subject to certain conditions, the existing data can be used to satisfy the pre-design investigation requirements established in the CD and SOW. Section 4.2 of this PDI Work Plan describes the process by which the existing PCB data were evaluated and included in the development of the proposed pre-design investigations.

3. Applicable Performance Standards and Related Requirements

3.1 General

This section summarizes the Performance Standards established in the CD and SOW that are applicable to soils at the Downstream Floodplain Residential Properties. As an initial step toward evaluating the response actions that may be needed to achieve these Performance Standards, the CD and SOW require the performance of pre-design investigations, and establish the requirements for such investigations. Those requirements are also described in this section.

3.2 Soil-Related Performance Standards

Response actions for soils at the Downstream Floodplain Residential Properties must achieve the Performance Standards set forth in Paragraph 28.b of the CD and Section 2.5.2 of the SOW. These Performance Standards are summarized below.

3.2.1 PCB Performance Standards

The need for and extent of response actions to address PCBs in soils within the Downstream Floodplain Residential Properties will generally be determined based on the results of spatial averaging conducted for each property in accordance with the procedures described in Attachment E to the SOW. Included in that attachment are protocols related to the selection of the appropriate areas and depths of a property subject to spatial averaging, the methods to be used to determine existing spatial average PCB concentrations, and the procedures to be used to assess whether the anticipated response actions will achieve the PCB Performance Standards. For purposes of such averaging, the SOW provides that GE may consider the entire Actual/Potential Lawn of a residential property (including the portion lying within the floodplain and any portion outside the floodplain) as an averaging area, provided that, for surface soil: (a) residential exposure is equally likely throughout that area; and (b) GE ensures the removal of all soils in the top foot in unpaved portions of the property that contain PCB

concentrations above the not-to-exceed (NTE) level for residential properties (10 ppm), unless the averaging area is less than 0.25 acre.

Once calculated, the spatial average PCB concentrations for a given property and depth are compared to the applicable PCB Performance Standards. The applicable PCB Performance Standards for the Downstream Floodplain Residential Properties are summarized as follows:

- GE shall calculate spatial average PCB concentrations for the 0- to 1-foot and 1- to X-foot depth increment within the Actual/Potential Lawn averaging area, where X equals the depth at which PCBs are detected (up to a maximum depth of 15 feet). If the spatial average PCB concentration in either the 0- to 1-foot or 1- to X-foot depth increment exceeds 2 ppm, GE shall remove and replace soils as necessary to achieve a spatial average PCB concentration at or below 2 ppm in each of those depth increments. In addition, if the averaging area for surface soil consists of the entire Actual/Potential Lawn of the property and exceeds 0.25 acre in size, GE shall remove all soils in the top foot of unpaved areas that have PCBs exceeding 10 ppm.

- For the portions of these properties that are not Actual/Potential Lawns, GE shall calculate a spatial average PCB concentration for the top six inches of soil at such portions of each such property. In addition, GE shall identify, and propose to EPA for approval, the appropriate current use scenario for the area in question (i.e., residential, recreational, or walker). GE shall then compare the spatial average PCB concentration in the top six inches of soil at the non-Actual/Potential Lawn area to the following PCB "trigger levels":

    - Residential Use: 10 ppm
    - Recreational Use: 30 ppm
    - Walker Use: 50 ppm

  If the spatial average PCB concentration in the top six inches of soil at such area exceeds the applicable "trigger level", GE shall propose to EPA an appropriate STM for the non-Actual/Potential Lawn area, such as the installation of warning signs along the bank, and shall carry out such STM as is approved by EPA. (Final response actions for these areas, if needed, will be determined through the separate process established in the CD for addressing the Rest of the River.)

3.2.2 Performance Standards for Non-PCB Constituents

The Performance Standards for the non-PCB constituents listed in Appendix IX of 40 CFR Part 264 plus three additional constituents (benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine) (Appendix IX+3) in soils at the Downstream Floodplain Residential Properties are specified in Section 2.5.2 and Attachment F of the SOW. Since GE is proposing to defer the evaluation regarding the need for and scope of additional sampling for such constituents at these properties until after completion of the initial investigations proposed herein, those Performance Standards are not repeated or summarized here. Those Performance Standards will be reviewed, as necessary, in connection with GE's evaluation of the need for Appendix IX+3 sampling at these properties.

3.3 Pre-Design Soil Investigation Requirements

Prior to the performance of detailed RD/RA activities, GE is required to conduct certain pre-design activities. For the floodplain RAAs, specific pre-design sampling requirements are not presented in the CD and SOW; rather, the SOW establishes certain general requirements and indicates that the particular pre-design activities shall be specified in the Pre-Design Investigation Work Plans for the Removal Actions in question.

Section 2.5.3 of the SOW and Section 2.3 of Attachment D to the SOW establish the general requirements for soil sampling at the properties within the floodplain RAAs, including the Downstream Floodplain Residential Properties. In general, the sampling must be sufficient to characterize the constituents in the soils, be consistent with prior investigations of these areas, and be sufficient to support spatial averaging for PCBs and to apply the relevant Performance Standards set forth in the CD and SOW. Further, the SOW indicates that grid sampling techniques consistent with those specified in the SOW for the GE Plant Area and the Former Oxbow Areas shall be evaluated and utilized for PCBs as appropriate. The SOW contains no requirements regarding the number, locations, or depths of soil samples to be analyzed for non-PCB Appendix IX+ 3 constituents at the floodplain RAAs.

Using the information included in the SOW as a frame of reference, GE has developed more specific pre-design PCB sampling guidelines for the Downstream Floodplain Residential Properties. These guidelines, presented in Section 4.3.1 of this PDI Work Plan, consider several factors, including the physical characteristics of the floodplain properties and the types, amounts, and results of soil sampling that have been performed to date for these properties. Based on these guidelines, specific pre-design sampling proposals for PCBs are provided, on a group-by-group basis, in Sections 4.3.2 through 4.3.23.

4. Proposed Pre-Design Investigations

4.1 General

This section of the PDI Work Plan presents GE's proposal for pre-design soil investigations at the Downstream Floodplain Residential Properties. As noted above, GE is proposing to focus the initial pre-design soil investigations at these properties on PCBs. Section 4.2 summarizes the available PCB soil analytical data and provides a general assessment regarding the usability of these data to support pre-design and subsequent RD/RA activities. Section 4.3 describes GE's proposed pre-design soil sampling for PCBs, including the general guidelines used to determine the scope of such sampling and the specific pre-design soil sampling proposals for PCBs for the 22 identified groups of properties within the Downstream Floodplain Residential Properties RAA. Section 4.4 describes GE's proposed approach for evaluating the need for sampling for other Appendix IX+3 constituents. Finally, Section 4.5 describes other proposed pre-design activities, such as conducting surveys to generate more detailed site mapping and obtaining other information concerning physical features and land use of these properties so as to support RD/RA evaluations.

The overall Data Quality Objective (DQO) for the pre-design soil sampling and analysis activities is to ensure the availability of sufficient analytical data for in soil at these properties to: (1) satisfy the general pre-design investigation requirements specified in the SOW (described in Section 3 above); (2) support the preparation of future technical RD/RA evaluations and related work plan development; and (3) support a demonstration that the applicable Performance Standards under the CD either are achieved or will be achieved through the performance of specified response actions. All sampling and analysis activities will be performed in accordance with the procedures set forth in GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP).

4.2 Assessment of Existing Soil PCB Data

The existing PCB soil analytical data available to support the pre-design investigations for the Downstream Floodplain Residential Properties were previously identified in Section 2. These existing data have been subject to a data quality review to assess their usability in meeting pre-design investigation requirements and in future RD/RA activities.

As provided in Attachment D of the SOW, the criteria for determining the usability of existing data include: (1) an evaluation of whether such data reflect the appropriate locations and depth increments necessary to apply the Performance Standards for the Removal Action in question and to meet the required soil sampling requirements specified in the SOW; and (2) an assessment of the quality of such data in terms of quality assurance/quality control (QA/QC). To perform this review, the existing analytical data for PCBs in soil were first reviewed to determine whether and to what extent they meet the spatial and depth-related pre-design sampling needs. The data that do so were then assessed for overall analytical quality by reviewing available documentation.

For the existing soil PCB data (604 total samples), the usability assessment involved, at the outset, review of the locations and depth increments from which the samples were taken. From this review, it was determined that all of the available data can potentially be used to satisfy pre-design investigation requirements and/or to support future RD/RA evaluations. These data were then assessed for overall analytical quality. This assessment revealed the following:

- For the 335 PCB sample results previously collected by GE, full laboratory data packages are available for 333 of these results. These data packages were reviewed for completeness, the analytical techniques used, and the identification of any apparent method or analytical discrepancies or other significant data quality issues noted in the data packages that could render the data unusable. Review of that documentation showed no deficiencies that would preclude use of these PCB data in the response action evaluations for these RAAs.

- For the remaining two PCB sample results previously collected by GE, only a standard laboratory reporting form is available. However, based on review of this documentation, these PCB results are likewise considered usable for pre-design and RD/RA evaluation purposes for the following reasons: (1) the reporting form confirms the date of sample analysis and thus the analytical methods that were utilized and the associated detection limits; (2) those analytical methods are consistent with current procedures; (3) the reporting form is a laboratory-generated document and thus incorporates certain inherent QA checks performed by the laboratory concerning data quality; and (4) review of the PCB data for which full laboratory data packages are available indicates that those data are 100% usable, thus suggesting that the remaining PCB analyses from this same general time period are generally of sufficient quality for use in RD/RA evaluations.

- For the 269 PCB samples collected and analyzed by EPA, the analytical data were provided to GE by EPA as part of a database exchange between GE and EPA. It is GE's understanding that the data in EPA's database have been validated by EPA. As such, GE proposes, at this time, to use these data for pre-design and RD/RA evaluation purposes. However, in the course of future RD/RA evaluations, GE may re-assess the usability of EPA sample results for specific locations, where the samples were analyzed using the mobile laboratory procedure, and, if necessary, may re-collect and re-analyze samples from those locations prior to completing its response action evaluations.

In summary, based on the above assessment, GE has used all of the PCB data from prior investigations in developing its proposed pre-design investigations, and it proposes to use these prior data in future RD/RA evaluations (subject to the possible reassessment of particular EPA sample results noted above).

4.3 Pre-Design Soil Sampling Activities for PCBs

To determine the need for and scope of the pre-design investigation sampling for PCBs, the existing PCB soil data were reviewed in conjunction with the general soil sampling requirements described in Section 3.3. Specifically, the pre-design sampling must be sufficient to characterize the soil, be consistent with prior floodplain investigations, be sufficient to support spatial averaging for PCBs and to apply the relevant Performance Standards, and consider grid sampling techniques and use them as appropriate. Due to the number and location of individual properties in this RAA, those properties have been divided into 22 groups for purposes of reviewing the existing PCB data and presenting the scope of additional PCB soil sampling to support RD/RA evaluations under the CD and SOW. These groups are shown on Figures 1-1 and 1-2. The general guidelines applied in making these evaluations are described in Section 4.3.1, while the specific pre-design soil sampling proposals for PCBs are presented, on a group-by-group basis, in Sections 4.3.2 through 4.3.23 and the accompanying figures.

4.3.1 General Guidelines

In making the PCB evaluations for each group of properties, several general guidelines were applied, depending on the locations and depths of the prior PCB samples and the resulting concentrations. In this process, GE has evaluated the appropriateness of grid-like sampling techniques and utilized them where warranted. The general guidelines applied are summarized below.

Identification of Actual/Potential Lawns

As noted above, the type and scope of sampling at these floodplain residential properties depends on identification of which portions of these properties constitute Actual/Potential Lawns. To identify these Actual/Potential Lawns areas for purposes of this PDI Work Plan, GE has relied primarily on the maps in the SOW (SOW Figures 2-10, 2-11, and 2-16) for the properties between the confluence and Woods Pond Dam and on the aerial photographs included in EPA's Phase 1 HHRA Report for the properties between Woods Pond Dam and Rising Pond Dam – supplemented, a few cases, by on-site visual observations. However, prior to the performance of the pre-design soil sampling, GE will conduct a more detailed reconnaissance of these properties to verify which portions meet the CD definition of an Actual/Potential Lawn, particularly in the reach downstream of Woods Pond Dam. For example, for many of the properties downstream of Woods Pond Dam, EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn as covering the entire property and extending to the edge of the river. In its reconnaissance, GE will check that delineation. Accordingly, the sampling locations proposed in this section and the accompanying figures are subject to modification based on the results of GE's detailed reconnaissance. Any such modifications will be proposed to EPA for review and approval.

Sampling at Actual/Potential Lawns

For the Actual/Potential Lawn areas of these residential properties (identified as discussed above), a review was made of the prior PCB sampling data. For those Actual/Potential Lawn areas where the existing data indicate that PCBs are or are likely to be present at concentrations above 2 ppm, the proposed sampling approach generally involves sampling on an approximate grid-like pattern, taking into account the existing sampling data. As at other RAAs, this grid-like sampling pattern is denser for surface soil (i.e., the top foot of soil) than for subsurface soil. (This lesser sampling density for subsurface soils is particularly justified for floodplain properties since, unlike typical fill properties, it is anticipated that the presence of PCBs in soils is related primarily to depositional effects so that PCB concentrations will generally decrease with depth.) The size of these grid patterns depends on the existing PCB data and the size and characteristics of the property. For example, for Actual/Potential Lawn areas where the existing data indicate PCBs above 2 ppm at several locations or at levels well above 2 ppm, more dense grid-like sampling is proposed (taking into account prior data), with the specific density depending on the size of the property (e.g., generally ranging from approximately 50 feet between surface soil samples at smaller properties to approximately 100 feet between surface soil samples at large properties, with regular but more widely spaced boring locations for subsurface soil sampling).

However, for Actual/Potential Lawn areas which have limited sampling data and where PCBs above 2 ppm were found at only one or a couple of locations and only slightly above EPA's soil screening level of 2 ppm, less dense surface and subsurface sampling is proposed as part of these initial investigations so as to determine whether further sampling is necessary. Further, for portions of Actual/Potential Lawns where the existing data indicate that PCB levels are likely to be non-detectable or very low (typically farther from the river and outside the floodplain), GE is proposing sampling at select locations distributed within such portions, which should be sufficient to characterize the soil for PCBs in those portions of the Actual/Potential Lawn.

Additionally, there are a few residential properties between Woods Pond Dam and Rising Pond Dam which have not been sampled at all (or have all samples below 2 ppm), but which have nonetheless been transferred by EPA to GE in the Phase 1 HHRA Report due to concentrations found on adjacent properties. For such properties, in accordance with prior discussions between GE and EPA, GE is proposing a more limited, screening-level sampling effort, consisting of soil sampling at select locations in the portions of the Actual/Potential Lawns most likely to be affected by PCBs, in order to determine whether, based on those sampling results, the properties may be eliminated from further consideration.

At locations where surface soil sampling is proposed for PCBs, samples will be collected from the top foot of soil. At locations where subsurface sampling is proposed for PCBs, the depth increments to be sampled have been selected based on review of the existing PCB soil data. Based on a review of those data, it is not expected that PCBs will be present in deeper subsurface soils (with one exception – Parcel J6-3-1 discussed below), and thus sampling to 15 feet will not be conducted. Rather, except as otherwise noted in the group-by-group discussions, the following approach will be used: For the properties between the confluence and Woods Pond, soil borings will be advanced to a depth of 7 feet below the ground surface (bgs) and samples will be collected from the top foot and succeeding two-foot depth increments, excluding depth increments for which existing data already exist at the given location. The 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments will be analyzed initially for PCBs, and the 5- to 7-foot depth increment will be analyzed only if the data to 5 feet bgs do not define the vertical extent of PCBs. For properties downstream of Woods Pond Dam, the borings will be advanced to a depth of 5 feet bgs, and samples will be collected for PCB analysis from the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments, except where data already exist for a given depth increment and location.

For one property, Parcel J6-3-1, review of existing data indicates that PCBs are present in deeper subsurface soils to a depth of at least four feet bgs. Thus, at this property, the soil borings will be advanced to 10 feet bgs

(or refusal if it occurs first), and samples will be collected from the 0- to 1-foot, 1- to 2-foot, 2- to 4-foot, 4- to 6-foot, 6- to 8-foot, and 8-to 10-foot depth increments for PCB analysis, except where PCB data already exist from such a depth increment at a given location.

At any of these properties, if the vertical extent of PCBs is not determined after this initial round of sampling, GE will propose supplemental PCB sampling to define the vertical extent.

Sampling at Non-Actual/Potential Lawns

For portions of the Downstream Floodplain Residential Properties that are not Actual/Potential Lawns, sampling will be conducted of the top six inches of soil. For the riverbanks in such areas, this sampling will generally involve the collection of top-six-inch soil samples at selected locations along the river, with at least 2 samples per property. For other non-Actual/Potential Lawn portions of these properties (where applicable), top-six-inch soil samples will be collected from spatially distributed locations in such areas, taking into account the existing data. The locations of the proposed riverbank samples are approximate and may be field adjusted to better characterize depositional areas (i.e., low-lying areas) along the bank, based on visual observation in the field.

It should also be noted that, for those properties where EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn as extending to the edge of the river (and thus no non-Actual/Potential Lawn area), no such six-inch riverbank samples are proposed. However, if, based on further reconnaissance, it is determined that these properties contain appreciable portions that are not Actual/Potential Lawns, six-inch soil samples will be proposed for those portions.

Based on these general guidelines, the need for and scope of the pre-design soil investigations for PCBs have been evaluated in detail for each of the groups of properties identified on Figures 1-1 and 1-2. The proposed pre-design soil sampling for each of these groups is described in the following sections and depicted on accompanying Figures 4-1 through 4-21. A summary of the proposed depth increments from which samples will be collected at each of the proposed soil borings is presented in Table 4-23.

4.3.2 Group 1

Group 1 consists of one residential property (Parcel I6-3-13) located along the east side of the Housatonic River, as shown on Figure 4-1. The SOW identifies Actual/Potential Lawn at this property as limited to the portion of the property that includes and is upgradient of the sewer easement; however, EPA's Phase 1 HHRA Report identifies the Actual/Potential Lawn as the portion that is upgradient of a ponding area hydraulically connected to the river. Based on an initial visual observation, it appears that the extent of the Actual/Potential Lawn at this property is consistent with that shown in the SOW, and hence that extent is used in this PDI Work Plan, as shown on Figure 4-1. However, as discussed above, prior to the performance of the pre-design soil sampling, GE will conduct a more detailed reconnaissance of this and other properties subject to this Work Plan to verify which portions meet the CD definition of an Actual/Potential Lawn. The sampling locations proposed below and on the accompanying figure are subject to modification based on that reconnaissance.

Previous sampling conducted by GE and EPA has resulted in the analysis of 20 soil samples collected from 11 locations within or adjacent to this property. The prior sampling locations are shown on Figure 4-1, and a summary of existing PCB data is presented in Table 4-1. The prior soil samples were generally distributed throughout Parcel I6-3-13, and were generally analyzed to a depth of 1 foot bgs. Based on a review of the available soil data, additional soil sampling is needed at this property. The proposed sampling is summarized below.

The initial pre-design sampling proposed for this property involves the collection of 14 soil samples from 5 locations within the Actual/Potential Lawn at this property, as shown on Figure 4-1. Of these proposed sample locations, 2 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 3 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, 3- to 5-foot, and 5- to 7-foot depth increments. The PCB analyses of these subsurface soil samples will be iterative, as discussed in Section 4.3.1 of this PDI Work Plan. In addition, 5 samples will be collected from the top six inches of soil in the non-Actual/Potential Lawns portion of this property, as also shown on Figure 4-1.

4.3.3 Group 2

Group 2 consists of two contiguous properties (Parcels J6-2-1, and J6-2-2) located along the north side of the Housatonic River, as shown on Figure 4-2. Previous sampling conducted by GE and EPA has resulted in the

analysis of 52 soil samples collected from 25 locations within or adjacent to this group of properties. The prior sampling locations are shown on Figure 4-2, and a summary of existing PCB data is presented in Table 4-2. As indicated on Figure 4-2, the prior soil samples were generally distributed throughout Parcel J6-2-2 and the southern portion of Parcel J6-2-1. However, the sample distribution does not adequately characterize soils at these properties to apply the PCB Performance Standards. Based on a review of the available soil data, additional surface soil sampling, as well as deeper soil investigations, are proposed as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 68 soil samples from 26 locations within the Actual/Potential Lawns of these properties, as shown on Figure 4-2. Of these proposed sample locations, 12 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 14 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, 3- to 5-foot, and 5- to 7-foot depth increments, as appropriate. The PCB analyses of these subsurface soil samples will be iterative, as discussed in Section 4.3.1 of this PDI Work Plan. In addition, 2 samples will be collected from the top six inches of soil at the non-Actual/Potential Lawn (i.e., riverbank) portion of Parcel J6-2-1, as also shown on Figure 4-2. (At Parcel J6-2-1, the Actual/Potential Lawn appears to extend to the river, so no 0- to 6-inch soil samples are proposed.)

4.3.4 Group 3

Group 3 consists of one residential property (Parcel J6-3-1) located along the south side of the Housatonic River, as shown on Figure 4-3. Previous sampling conducted by GE and EPA has resulted in the analysis of 107 soil samples collected from 35 locations within or adjacent to this property. The prior sampling locations are shown on Figure 4-3, and a summary of existing PCB data is presented in Table 4-3. As indicated on Figure 4-3, the prior soil samples were generally distributed throughout Parcel J6-3-1, and these samples were analyzed to varying depths ranging between 0.5 and 4 feet bgs. However, based on a review of the available soil data, additional surface and subsurface soil sampling is necessary to fill data gaps in the existing data set. The proposed sampling is summarized below.

The initial pre-design sampling proposed for this property involves the collection of 58 soil samples from 13 locations within the Actual/Potential Lawn, as shown on Figure 4-3. Of these proposed sample locations, 4 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 9 will be soil borings. Review of existing data indicates that PCBs are present in deeper subsurface soils (to a depth of at least four feet bgs). Thus,

sample collection from the soil borings will include the 0- to 1-foot, 1- to 2-foot, 2- to 4-foot, 4- to 6-foot, 6- to 8-foot, and 8- to 10-foot depth increments, as appropriate (i.e., excluding depth increments for which PCB data already exist). In addition, 3 samples will be collected from the top six inches of soil at the non-Actual/Potential Lawn (i.e., riverbank) portion of this property, as also shown on Figure 4-3.

4.3.5 Group 4

Group 4 consists of three contiguous properties (Parcels J5-2-8, J5-2-9, and J5-2-10) located along the west side of the Housatonic River, as shown on Figure 4-4. Previous sampling conducted by GE and EPA has resulted in the analysis of 55 soil samples collected from 27 locations within or adjacent to this group of properties. The prior sampling locations are shown on Figure 4-4, and a summary of the existing PCB data is presented in Table 4-4. As indicated on Figure 4-4, the prior soil samples were generally distributed throughout Parcel J5-2-10, and these samples were generally analyzed to a depth of 1 foot bgs, although several locations extend to depths ranging between 2 to 2.5 feet bgs. However, this sample distribution does not adequately characterize soils at these properties so as to apply the PCB Performance Standards. Based on a review of the available soil data, additional surface soil sampling, as well as deeper soil investigations, are proposed as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 64 soil samples from 22 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-4. Of these proposed sample locations, 8 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 14 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, 3- to 5-foot, and 5- to 7-foot depth increments. The PCB analyses of these subsurface soil samples will be iterative, as discussed in Section 4.3.1 of this PDI Work Plan. These properties do not extend to the riverbank and do not include any other non-Actual/Potential Lawns area. As such, no 0- to 6-inch soil samples are proposed for this group.

4.3.6 Group 5

Group 5 consists of one residential property (Parcel J5-2-11) located along the west side of the Housatonic River, as shown on Figure 4-5. The Actual/Potential Lawn at this property is limited to the portion that includes and is upgradient of the sewer easement (as shown on Figure 4-5). Previous sampling conducted by GE and EPA has resulted in the analysis of 54 soil samples collected from 27 locations within or adjacent to this property. The prior sampling locations are shown on Figure 4-5, and a summary of the existing PCB data is

presented in Table 4-5. The prior soil samples were generally distributed throughout Parcel J5-2-11, and were generally analyzed to a depth of 1 foot bgs. Based on a review of the available soil data, some limited additional soil sampling is needed at this property to fill data gaps in the existing data set. The proposed sampling is summarized below.

The initial pre-design sampling proposed for this property involves the collection of 13 soil samples from 4 locations within the Actual/Potential Lawn, as shown on Figure 4-5. Of these proposed sample locations, 1 will be a surface-only sample location (0- to 1-foot depth) and 3 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, 3- to 5-foot, and 5- to 7-foot depth increments. The PCB analyses of these subsurface soil samples will be iterative, as discussed in Section 4.3.1 of this PDI Work Plan. In addition, 5 samples will be collected from the top six inches of soil in the non-Actual/Potential Lawn portion of this property, as also shown on Figure 4-5.

4.3.7 Group 6

Group 6 consists of one residential property (Parcel 29-5) located east of the Housatonic River, as shown on Figure 4-6. To date, only limited PCB soil sampling has been conducted by GE and EPA at this property and has resulted in the analysis of 12 soil samples collected from 6 locations within this property. The prior soil sampling locations are shown on Figure 4-6, and a summary of existing soil PCB analytical data is presented on Table 4-6. Additional sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 24 soil samples from 9 locations within the Actual/Potential Lawn, as shown on Figure 4-6. Of these proposed sample locations, 4 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 5 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, 3- to 5-foot, and 5- to 7-foot depth increments. The PCB analyses of these subsurface soil samples will be iterative, as discussed in Section 4.3.1 of this PDI Work Plan. This property does not contain a non-Actual/Potential Lawn portion, and thus no 0- to 6-inch soil samples are proposed.

4.3.8 Group 7

Group 7 consists of two properties (Parcels 4-73 and 2-33) located along the west side of the Housatonic River, as shown on Figure 4-7. Note that, based on the Town of Lenox assessor's mapping (current through January 2001), EPA's Phase 1 HHRA Report does not properly identify these parcels. Specifically, EPA's Phase 1 HHRA Report shows only one property (Parcel 4-73) where there are in fact two properties (Parcels 4-73 and 2-33). The proper location of Parcels 4-73 and 2-33, based on the Town of Lenox assessor's mapping, is shown on Figure 4-7. For purposes of this PDI Work Plan, both properties will be conservatively considered as having residential use and the Actual/Potential Lawn area will be consistent with that shown in EPA's Phase 1 HHRA Report. However, as discussed above, prior to the performance of the pre-design soil sampling, GE will conduct a more detailed reconnaissance of these properties to verify which portions meet the CD definition of an Actual/Potential Lawn. The sampling locations proposed below and on the accompanying figure are subject to modification based on that reconnaissance.

To date, only limited PCB soil sampling has been performed at or adjacent to this property. Specifically, soil sampling activities performed by EPA have resulted in the analysis of 10 soil samples from 5 locations; however, of the 10 soil samples collected, only 4 samples were collected from this property. The prior soil sampling locations are shown on Figure 4-7, and a summary of the existing soil PCB analytical data, including data from sampling at an adjacent property, is presented in Table 4-7. Additional soil sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 30 soil samples from 14 locations within the Actual/Potential Lawn, as shown on Figure 4-7. Of these proposed sample locations, 6 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 8 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. In addition, 3 samples will be collected from the top six inches of soil in the riverbank portion of this property, as also shown on Figure 4-7.

4.3.9 Group 8

Group 8 consists of one residential property (Parcel 8-48) located along the west side of the Housatonic River, as shown on Figure 4-8. Based on visual observation, this property contains an approximate 50- to 100-foot

wide flat cleared area along the river running for the length of the property. From this flat area moving away from the river, a forested moderate-to-steep slope is present for the length of the property, and on the upland side of this slope there is another cleared flat area that is outside the 100-year floodplain. Given this configuration, the Actual/Potential Lawn portions of this property are assumed to consist of the flat area between the slope and the river and the flat area on top of the slope, as shown on Figure 4-8. However, as discussed above, prior to the performance of the pre-design soil sampling, GE will conduct a more detailed reconnaissance of this and other floodplain residential properties to verify which portions meet the CD definition of an Actual/Potential Lawn. The sampling locations proposed below and on the accompanying figure are subject to modification based on that reconnaissance.

Previous sampling conducted by GE and EPA has resulted in the analysis of 190 soil samples collected from 36 locations within or adjacent to this property. The prior sampling locations are shown on Figure 4-8, and a summary of existing PCB data is presented in Table 4-8. The prior samples were generally collected near the river and were analyzed to depths ranging between 2 and 5.5 feet bgs. This sample distribution provides a good characterization of soil PCB levels in the Actual/Potential Lawn portion adjacent to the river. However, review of the existing data indicates the need for some limited additional sampling in that area, as well as sampling on the lower part of the slope to delineate the horizontal extent of PCBs. (Soil sampling is not proposed at this time for the Actual/Potential Lawn area located at the top of the slope, since that area appears to be well outside the floodplain.) The proposed additional sampling is summarized below.

The initial pre-design sampling proposed for this property involves the collection of 17 soil samples from 11 locations within and upgradient of the Actual/Potential Lawn adjacent to the river, as shown on Figure 4-8. Of these proposed sample locations, 8 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 3 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. In addition, 3 samples will be collected from the top six inches of soil in the limited riverbank portion of this property, as also shown on Figure 4-8.

4.3.10 Group 9

Group 9 consists of one property, comprising two contiguous and commonly owned tax parcels (Parcels 29-104 and 29-105), located along the south side of the Housatonic River, as shown on Figure 4-9. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA

has resulted in the analysis of 11 soil samples from 4 locations, all of which were situated on Parcel 29-105. The prior soil sampling locations are shown on Figure 4-9, and a summary of the existing soil PCB analytical data is presented in Table 4-9. These sampling results show only three PCB concentrations in excess of 2 ppm (2.28, 4.03, and 4.5 ppm, as shown in Table 4-9). Based on review of the available soil data, additional surface and subsurface sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 42 soil samples from 20 locations within the Actual/Potential Lawn, as shown on Figure 4-9. Of these proposed sample locations, 9 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 11 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.11 Group 10

Group 10 consists of two contiguous properties (Parcels 29-100 and 29-101) located along the south side of the Housatonic River, as shown on Figure 4-10. To date, only limited PCB soil sampling has been performed at this group of properties. Specifically, soil sampling performed by EPA has resulted in the analysis of 8 soil samples from 4 locations, 2 on each property. The prior soil sampling locations are shown on Figure 4-10, and a summary of the existing soil PCB analytical data from these properties is presented on Table 4-10. Additional soil sampling is proposed at these properties as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 36 soil samples from 18 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-10. Of these proposed sample locations, 9 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 9 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.12 Group 11

Group 11 consists of three contiguous properties (Parcels 29-83, 29-84, and 29-85) located along the north side of the Housatonic River, as shown on Figure 4-11. To date, only limited PCB soil sampling has been performed at or adjacent to this group of properties. Specifically, soil sampling performed by EPA has resulted in the analysis of 6 soil samples from 3 locations, only one of which was situated on this group of properties (on Parcel 29-83). The prior soil sampling locations are shown on Figure 4-11, and a summary of the existing soil PCB analytical data, including data associated with sampling conducted at adjacent properties, is presented in Table 4-11. Only one of these samples showed a PCB concentration in excess of 2 ppm (5.6 ppm at Parcel 29-83). Additional sampling is proposed at this group of properties as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 25 soil samples from 13 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-11. Of these proposed sample locations, 7 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 6 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.13 Group 12

Group 12 consists of one property, comprising two contiguous and commonly owned tax parcels (Parcels 29-78 and 29-79), located along the north side of the Housatonic River, as shown on Figure 4-12. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 4 soil samples from 2 locations on this property. The prior sampling locations are shown on Figure 4-12, and a summary of the existing soil PCB analytical data is presented in Table 4-12. Only one of the four existing samples showed a PCB concentration in excess of 2 ppm (i.e., 2.1 ppm on Parcel 29-79). Additional sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 12 soil samples from 8 locations within the Actual/Potential Lawn, as shown on Figure 4-12. Of these proposed sample locations, 6 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 2 will be soil borings. Sample

collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.14 Group 13

Group 13 consists of five contiguous properties (Parcels 29-70, 29-72, 29-73, 29-74, and 29-75) located along the north side of the Housatonic River, as shown on Figure 4-12. Previous sampling conducted by GE and EPA has resulted in the analysis of 29 soil samples collected from 13 locations within this group of properties. The prior sampling locations are shown on Figure 4-12, and a summary of existing PCB data is presented in Table 4-13. These samples were generally analyzed to a depth of 1 foot bgs, although several locations extend to depth of 2.5 feet bgs. As indicated on Figure 4-12, the sample distribution does not adequately characterize soils at this property so as to apply the PCB Performance Standards. Based on a review of the available soil data, additional surface soil sampling, as well as deeper soil investigations, are proposed as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 79 soil samples from 41 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-12. Of these proposed sample locations, 22 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 19 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. In addition, 4 samples will be collected from the top six inches of soil in the non-Actual/Potential Lawn (i.e., riverbank) portions of Parcels 29-74 and 29-75, as also shown on Figure 4-12. (The other parcels in this group do not appear to have any appreciable non-Actual/Potential Lawn portions.)

4.3.15 Group 14

Group 14 consists of one residential property (Parcel 29-60) located along the north side of the Housatonic River, as shown on Figure 4-13. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 2 soil samples from one location from this property. That prior sampling location is shown on Figure 4-13, and a summary of the existing soil PCB analytical data is presented in Table 4-14. Additional soil sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 17 soil samples from 9 locations within the Actual/Potential Lawn, as shown on Figure 4-13. Of these proposed sample locations, 5 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 4 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.16 Group 15

Group 15 consists of one residential property (Parcel 26A-53) located along the north side of the Housatonic River, as shown on Figure 4-14. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 2 soil samples from one location at this property. That prior sampling location is shown on Figure 4-14, and a summary of the existing soil PCB analytical data is presented in Table 4-15. Additional soil sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 7 soil samples from 3 locations within the Actual/Potential Lawn, as shown on Figure 4-14. Of these proposed sample locations, 1 will be a surface-only sample location (i.e., 0- to 1-foot sample depth) and 2 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.17 Group 16

Group 16 consists of two contiguous properties (Parcels 26A-40 and 26A-41) located along the north side of the Housatonic River, as shown on Figure 4-15. To date, only limited PCB soil sampling has been performed at this group of properties. Specifically, soil sampling performed by EPA has resulted in the analysis of 4 soil samples from 2 locations on these properties (one at each property). Those prior sampling locations are shown on Figure

4-15, and a summary of the existing soil PCB analytical data is presented in Table 4-16. Additional soil sampling is proposed at these properties as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 20 soil samples from 10 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-15. Of these proposed sample locations, 5 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 5 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.18 Group 17

Group 17 consists of two contiguous properties (Parcels 26A-24 and 26A-26.01) located along the north side of the Housatonic River, as shown on Figure 4-16. To date, only limited PCB soil sampling has been performed at this group of properties. Specifically, soil sampling performed by EPA has resulted in the analysis of 4 soil samples from 2 locations, one on each property. Those prior sampling locations are shown on Figure 4-16, and a summary of the existing soil PCB analytical data is presented on Table 4-17. Additional soil sampling is proposed at these properties as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 24 soil samples from 12 locations within the Actual/Potential Lawns of these properties, as shown on Figure 4-16. Of these proposed sample locations, 6 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 6 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.19 Group 18

Group 18 consists of one residential property (Parcel 20A-43) located along the east side of the Housatonic River, as shown on Figure 4-17. To date, only limited PCB soil sampling has been performed at or adjacent to

this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 4 soil samples from 2 locations, only one of which is situated on Parcel 20A-43. The prior sampling locations are shown on Figure 4-17, and a summary of the existing soil PCB analytical data, including data from sampling conducted at an adjacent property, is presented on Table 4-18. Additional soil sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 10 soil samples from 6 locations within the Actual/Potential Lawn at the property, as shown on Figure 4-17. Of these proposed sample locations, 4 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 2 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.20 Group 19

Group 19 consists of two properties (Parcels 20-4 and 9-54.02) located within an oxbow of the Housatonic River, as shown on Figure 4-18. Parcel 20-4 is a large, approximate 52-acre property, only a portion of which is considered to constitute an Actual/Potential Lawn (approximately 16 acres). Previous sampling conducted by EPA has resulted in the analysis of 18 soil samples collected from 7 locations within or adjacent to this group of properties. The prior sampling locations are shown on Figure 4-18, and a summary of the existing PCB data is presented in Table 4-19. These samples were analyzed to a depth of 1 foot or 2.5 feet bgs. Only three of the 18 prior soil samples showed PCB concentrations exceeding 2 ppm (i.e., 2.8, 3.2, and 4.35 ppm, as shown in Table 4-19). Based on review of the available soil data, additional surface and subsurface soil sampling is proposed at these parcels as summarized below.

The initial pre-design sampling proposed for this group involves the collection of 65 soil samples from 35 locations within the Actual/Potential Lawns at these properties, as shown on Figure 4-18. Of these proposed sample locations, 20 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 15 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. In addition, 12 samples will be collected from the top six inches of soil along the riverbank portions of these properties, as also shown on Figure 4-18.

4.3.21 Group 20

Group 20 consists of two properties (Parcels 9-56.02 and 9-57) located along the north side of the Housatonic River, as shown on Figure 4-19. To date, no sampling has been performed at these properties, although limited PCB soil sampling has been performed at an adjacent property. Specifically, soil sampling performed by EPA resulted in the analysis of 4 soil samples from 2 locations on a property adjacent to Parcel 9-56.02. Those prior sampling locations are shown on Figure 4-19, and a summary of the associated PCB data is presented in Table 4-20. Given the absence of any prior sampling at these properties, an initial round of screening-level surface soil sampling will be conducted at selected locations at these properties so as to determine whether these properties need any further evaluation as part of the Downstream Floodplain Residential Properties RAA. That proposed sampling is summarized below

The initial pre-design sampling proposed for this group involves the collection of 6 surface soil samples (0- to 1-foot depth) within the Actual/Potential Lawns of these properties, as shown on Figure 4-19. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawns at these properties as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for these properties, subject to further reconnaissance.)

4.3.22 Group 21

Group 21 consists of one residential property (Parcel 5-22) located along the west side of the Housatonic River, as shown on Figure 4-20. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 2 soil samples from one location at this property. That prior sampling location is shown on Figure 4-29, and a summary of the associated PCB analytical data is presented in Table 4-21. Although both PCB results from this location were below EPA's screening level of 2 ppm, EPA's Phase 1 Report states that that location was not in an area that is subject to frequent flooding, and that hence this property would be transferred to GE for further evaluation. Given the existing PCB results from this property, GE is proposing an initial round of additional screening-level surface soil sampling, including in areas likely to be subject to flooding, to determine whether this property can be eliminated from further consideration. That proposed sampling is summarized below.

The initial pre-design sampling proposed for this property involves the collection of 3 surface soil samples (0- to 1-foot depth) within the Actual/Potential Lawn, as shown on Figure 4-20. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.23 Group 22

Group 22 consists of one thin residential property (Parcel 6-3) located along the west side of the Housatonic River, as shown on Figure 4-21. To date, only limited PCB soil sampling has been performed at this property. Specifically, soil sampling performed by EPA has resulted in the analysis of 6 soil samples from 3 locations at this property. Those prior sampling locations are shown on Figure 4-21, and a summary of the associated PCB analytical data is presented on Table 4-22. These existing data show only one of the sample results with a PCB concentration over 2 ppm (i.e., 4.02 ppm). Additional soil sampling is proposed at this property as summarized below.

The initial pre-design sampling proposed for this property involves the collection of 8 soil samples from 4 locations within the Actual/Potential Lawn, as shown on Figure 4-21. Of these proposed sample locations, 2 will be surface-only sample locations (i.e., 0- to 1-foot sample depth) and 2 will be soil borings. Sample collection from the soil borings will include the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments. (Since EPA's Phase 1 HHRA Report shows the Actual/Potential Lawn at this property as extending to the edge of the river, no 0- to 6-inch soil samples are proposed at this time for this property, subject to further reconnaissance.)

4.3.24 Summary

Overall, the initial pre-design PCB soil sampling program proposed herein for all properties covered by this PDI Work Plan will involve the collection of 292 surface soil samples and 350 subsurface soil samples from the Actual/Potential Lawn portions of these properties. The depth increments from which samples are proposed to be collected from the proposed borings are summarized in Table 4-23. In addition, 35 soil samples will be collected from the top six inches of soil in riverbank and other non-Actual/Potential Lawn portions of these properties for use in the comparison to the STM trigger levels. As noted above, the proposed soil sample locations are subject to modification following further review and assessment of the extent of the

Actual/Potential Lawns at these properties, particularly in the reach downstream of Woods Pond Dam. Any proposed modifications resulting from this further review will be submitted to EPA for review and approval.

All samples collected will be analyzed for Aroclor-specific PCBs utilizing EPA Method 8082 in accordance with the FSP/QAPP. PCB results will be reported on a dry-weight basis with a detection limit of 0.05 ppm for all Aroclors.

4.4 Proposed Approach to Evaluating Need for Sampling for Non-PCB Constituents

For non-PCB Appendix IX+3 constituents, GE proposes to defer its evaluation of the need for and scope of pre-design soil sampling at the Downstream Floodplain Residential Properties until after the initial pre-design investigations proposed herein are completed. GE anticipates that, at that time, it may propose to eliminate most or all groups of non-PCB Appendix IX+3 constituents from the need to conduct additional sampling at these properties. In a preliminary evaluation of non-PCB constituents other than dioxins and furans in sediments and in floodplain and riverbank soils in the reach between the confluence and Woods Pond Dam, EPA has screened out all such constituents from the need for additional sampling in that reach, as well as from the need to be included in the Phase 2 HHRA for the Rest of River. If that evaluation is finalized, GE believes that it would also support a similar screening out of such constituents for the Actual/Potential Lawns of residential properties in this reach, as well as further downstream reaches. Specifically, if such constituents are not constituents of concern (COCs) for the sediments, riverbanks, or floodplain soils in the Rest of River, they should likewise not be COCs for GE's sampling and evaluation of the Actual/Potential Lawns of residential properties in the same stretch. This is particularly true given the number of intervening potential sources of such constituents between the GE Plant and these floodplain properties.

With respect to dioxins and furans, GE proposes to review the existing data on such compounds in the sediments, riverbanks, and floodplain downstream of the confluence. Total TEQ concentrations will be calculated for those dioxin/furan compounds, using the Toxicity Equivalency Factors (TEFs) published by the World Health Organization (WHO) (in accordance with the SOW) and using one-half the analytical detection limit to represent non-detected compounds. If these total TEQs are consistently below the applicable Performance Standard of 1 ppb specified in the SOW for dioxin/furan TEQs at residential properties, then GE anticipates proposing to eliminate dioxins/furans from the need for further sampling and evaluation at the Downstream Floodplain Residential Properties.

Finally, even if particular non-PCB constituents cannot be screened out on the above bases for particular properties in this RAA, review of the PCB data may assist in limiting the scope of additional sampling for such constituents at those properties. For example, soil sampling for such constituents would not appear to be needed for areas and depths where the soils will have to be removed to address PCBs. Additionally, at properties or portions of properties where no PCB-related response actions are necessary, there may be no need for additional sampling for other constituents. The SOW specifically provides (on pages 69-70) that, "[f]or floodplain properties located downstream of the GE Plant Area, where there are intervening potential sources of non-PCB constituents, GE may exclude from the evaluation particular properties (or portions of properties) where response actions are not necessary to address PCBs."

In these circumstances, GE proposes that, after its receipt of the results of the initial investigations proposed herein, it will review and evaluate the need for and scope of sampling for other Appendix IX+3 constituents in light of the factors outlined above. This evaluation will be presented to EPA for review and approval in an Addendum to this PDI Work Plan.

4.5 Other Proposed Pre-Design Activities

In addition to the pre-design soil sampling activities discussed above, several non-sampling-related activities will be conducted by GE as part of the pre-design investigations to support future technical RD/RA evaluations. Such activities are summarized below and generally include the collection of information concerning the physical features of each property subject to pre-design activities.

The site mapping presented in this PDI Work Plan was developed using aerial photographs and available tax maps from the early 1990s, as well as the mapping/photographs provided by EPA in its Phase 1 HHRA Report. Prior to conducting RD/RA activities, it will be necessary to obtain more accurate and up-to-date information related to property boundaries, current site features and uses, and other features unique to a given property. Accordingly, GE will conduct additional survey activities to generate more detailed base mapping to support future RD/RA activities. Specifically, it is anticipated that GE will develop a site map for each property (or each property group) that illustrates the following features:

- Property boundaries;
- Key physical features (e.g., structures, driveways, fencing, maintained lawn areas, paved areas, etc.);
- Surface topography (1-foot contours);

- Delineation of the dividing lines between the Actual/Potential Lawn areas and non-Actual/Potential Lawns areas (if any) at these properties; and
- Other appropriate and adjacent features (e.g., public roadways, utilities, etc.).

The site mapping will also be used to record the pre-design surface sample and boring locations relative to the features described above.

In addition, the site mapping, together with field observations of the relevant properties, will be used to develop the land use information to verify likely exposure/use conditions at these properties. As discussed in Section 3.2.1, the SOW provides that in determining the averaging areas for surface soil at these properties, GE may consider the entire Actual/Potential Lawn of a residential property (including both the portion lying within the floodplain and any portion outside the floodplain) as a single averaging area so long as residential exposure is equally likely throughout that area. Based on the site mapping and field observations, GE will assess the extent of the Actual/Potential Lawns of these residential properties and identify any property-specific features that would prevent each such area from having similar residential exposure/use conditions throughout the area.

Finally, the site mapping will be used to support other aspects of future RD/RA activities, such as determining the extent to which response actions at these properties (if determined to be necessary) would be subject to the location-specific Applicable or Relevant and Appropriate Requirements (ARARs) listed in Table 3 of Attachment B to the SOW, particularly those relating to floodplains and wetlands. For example, this information will be used to identify the portions of these properties where it will be necessary to ensure that if response actions are performed, they will not result in a significant net loss of flood storage capacity.

5. Schedule

Before proposing a specific schedule for the performance of the initial pre-design investigations proposed in this PDI Work Plan, GE would like to discuss with EPA the overall timing for such investigations and any subsequent response actions at the Downstream Floodplain Residential Properties. Following such discussions, GE will separately submit a proposed schedule to EPA for review and approval.

6. Summary of Anticipated Post-Removal Site Control Activities

Following completion of construction activities to implement the necessary response actions, GE will continue to inspect, maintain, and monitor the completed actions and perform repairs and replacement, as needed, so as to ensure that the completed response actions are performing as designed. The specific scope and methodologies for such inspection and maintenance activities will be detailed in a Post-Removal Site Control Plan for Removal Actions. Such activities will include the periodic inspection of restored areas within the Actual/Potential Lawns of these properties where soil was removed and replaced as part of the response actions, as well as repair or replacement of soil at portions of these areas (if any) that exhibit deficiencies or potential problems. The Post-Removal Site Control activities will also include periodic inspections, maintenance, and replacement (if necessary) of warning signs that are placed at the non-Actual/Potential Lawn portions of these properties (as STMs) until such time as these areas are addressed as part of the Rest of River.

The Post-Removal Site Control activities will be conducted in accordance with the pertinent requirements specified in Attachment J (Inspection and Maintenance Activities) to the SOW, except as otherwise proposed in the specific Post-Removal Site Control Plan and approved by EPA. In addition, inspection reports on these activities will be prepared and submitted periodically in accordance with the requirements of Section 4 of Attachment J to the SOW.

Tables

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TABLE 2-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF THE CONFLUENCE

LIST OF RESIDENTIAL FLOODPLAIN PROPERTIES (ACTUAL/POTENTIAL LAWNS)

GROUP NUMBER	TAX PARCEL ID	TAX PARCEL LOCATION
1	I6-1-13	16 NOBLEHURST AVE., PITTSFIELD
2	J6-2-1	579 POMEROY AVE., PITTSFIELD
	J6-2-2	575 POMEROY AVE., PITTSFIELD
3	J6-3-1	380 HOLMES RD., PITTSFIELD
4	J5-2-9 & -10	335 HOLMES RD., PITTSFIELD
	J5-2-8	337 HOLMES RD., PITTSFIELD
5	J5-2-11	477 HOLMES RD., PITTSFIELD
6	29-5	345 NEW LENOX RD., LENOX
7	4-73	CRYSTAL ST., LENOX
	2-33	18 CRYSTAL ST., LENOX
8	8-48	490 GOLDEN HILL RD., LEE
9	29-104 & -105	65 & 95 MEADOW ST., LEE
10	29-101	10 PINE ST., LEE
	29-100	20 PINE ST., LEE
11	29-85	1395 PLEASANT ST., LEE
	29-84	1405 PLEASANT ST., LEE
	29-83	1415 PLEASANT ST., LEE
12	29-78 & -79	1495 & 1505 PLEASANT ST., LEE
13	29-75	1545 PLEASANT ST., LEE
	29-74	1565 PLEASANT ST., LEE
	29-73	PLEASANT ST., LEE
	29-72	1571 PLEASANT ST., LEE
	29-70	15 WILLOW ST., LEE
14	29-60	1705 PLEASANT ST., LEE
15	26A-53	86 EAST MAIN ST., STOCKBRIDGE
16	26A-41	2 LINCOLN LN., STOCKBRIDGE
	26A-40	70 EAST MAIN ST., STOCKBRIDGE
17	26A-26.01	52 MAIN ST., STOCKBRIDGE
	26A-24	MAIN ST., STOCKBRIDGE
18	20A-43	17 CHURCH ST., STOCKBRIDGE
19	20-4	2 GLENDALE MIDDLE RD., STOCKBRIDGE
	9-54.02	3 BUTLER RD., STOCKBRIDGE
20	9-56.02	5 BUTLER RD., STOCKBRIDGE
	9-57	7 BUTLER RD., STOCKBRIDGE
21	5-22	3 HOUSATONIC CT., STOCKBRIDGE
22	6-3	9 HOUSATONIC CT., STOCKBRIDGE

Notes:
This table lists the residential properties designated in the SOW (Figures 2-10, 2-11, and 2-16) as part of the Floodplain Current Residential Properties Downstream of Confluence - Actual/Potential Lawns and includes properties transferred to GE by EPA as part of EPA's Phase 1 Human Health Risk Assessment Report.

Table 4-1
Group 1
Parcel I6-3-13

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
BS000097	0 - 0.5	10/27/99	9.77
BS000097	0.5 - 1	10/27/99	11.2
FL000815	0 - 0.5	08/10/99	6.53
FL000815	0.5 - 1	08/10/99	4.89
FL000909	0 - 0.5	10/27/99	10.4
FL000909	0.5 - 1	10/27/99	20
FL000910	0 - 0.5	10/27/99	17
FL000910	0.5 - 1	10/27/99	119
FL000911	0 - 0.5	10/27/99	11.7
FL000911	0.5 - 1	10/27/99	11.9
FL001254	0 - 0.5	01/27/00	0.428 J
FL001254	0.5 - 1	01/27/00	ND(0.501)
FL001255	0 - 0.5	01/27/00	1.01
FL001255	0.5 - 1	01/27/00	ND(0.502)
FL001465	0 - 0.5	07/05/00	10.3
FL001465	0.5 - 1	07/05/00	2.51
FL001466	0 - 0.5	07/05/00	23.5
FL001466	0.5 - 1	07/05/00	74.4
I6-3-13A	0 - 0.5	08/21/92	1.4
I6-3-13B	0 - 0.5	08/21/92	1.8

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-2
Group 2
Parcels J6-2-1, -2

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
BS000082	0 - 0.5	07/20/99	9.13{22.1}
BS000082	0.5 - 1	07/20/99	8.49
BS000083	0 - 0.5	07/20/99	9.32
BS000083	0.5 - 1	07/20/99	44.1
BS000084	0 - 0.5	07/20/99	46.2
BS000084	0.5 - 1	07/20/99	89.5
BS000085	0 - 0.5	07/20/99	29.9
BS000085	0.5 - 1	07/20/99	31.7J
F0489608	0 - 0.5	12/02/98	8.3 J
F0489608	0.5 - 1	12/02/98	11.9 J
F0489609	0 - 0.5	12/02/98	5.61 J
F0489610	0 - 0.5	12/02/98	ND(0.503)J
F0489610	0.5 - 1	12/02/98	ND(0.501)J
FL000739	0 - 0.5	07/20/99	5.24 J
FL000739	0.5 - 1	07/20/99	15.4 J
FL000740	0 - 0.5	07/20/99	0.627 J [0.61 J]
FL000740	0.5 - 1	07/20/99	0.274 J
FL000741	0 - 0.5	07/20/99	ND(0.503) J{0.245}
FL000741	0.5 - 1	07/20/99	ND(0.5) J
FL000742	0 - 0.5	07/20/99	ND(0.54) J
FL000742	0.5 - 1	07/20/99	ND(0.5) J
FL000743	0 - 0.5	07/20/99	ND(0.505)
FL000743	0.5 - 1	07/20/99	ND(0.503)
FL000744	0 - 0.5	07/20/99	1.09
FL000744	0.5 - 1	07/20/99	0.478 J
FL000912	0 - 0.5	10/27/99	17.7
FL000912	0.5 - 1	10/27/99	58.1 [46.4]
FL000913	0 - 0.5	10/27/99	16.3{23.8}
FL000913	0.5 - 1	10/27/99	14.5
J6-2-2A	0 - 0.5	08/28/92	8
J6-2-2B	0 - 0.5	08/28/92	19
J6-2-2B-6	0 - 0.5	11/10/93	7.6

Table 4-2
Group 2
Parcels J6-2-1, -2

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
J6-2-2B-7	0 - 0.5	11/10/93	4.6
J6-2-2C	0 - 0.5	08/28/92	1.9
J6-2-2D	0 - 0.5	08/28/92	0.15
J6-2-2E	0 - 0.5	01/12/93	0.4
J6-2-2E	0.5 - 1	01/12/93	ND(0.05)
J6-2-2E	1 - 1.5	01/12/93	0.07
J6-2-2E	1.5 - 2	01/12/93	ND(0.05)
J6-2-2E	2 - 2.5	01/12/93	0.09
J6-2-2E	2.5 - 3	01/12/93	3.5
J6-2-2F	0 - 0.5	01/12/93	0.07
J6-2-2F	0.5 - 1	01/12/93	ND(0.05)
J6-2-2F	1 - 1.5	01/12/93	ND(0.05)
J6-2-2F	1.5 - 2	01/12/93	ND(0.05)
J6-2-2F	2 - 2.5	01/12/93	ND(0.05)
J6-2-2F	2.5 - 3	01/12/93	ND(0.05)
J6-2-2F	3 - 3.5	01/12/93	ND(0.05)
J6-2-2G	0 - 0.5	01/12/93	ND(0.05)
J6-2-2G	0.5 - 1	01/12/93	ND(0.05)
J6-2-2H	0 - 0.5	01/12/93	4.8
J6-2-2H	0.5 - 1	01/12/93	0.6

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. { } - Indicates split sample results.
5. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-3
Group 3
Parcel J6-3-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
BS000147	0 - 0.5	08/08/00	30.7
BS000147	0.5 - 1	08/08/00	16.6
F0489601	0 - 0.5	11/20/98	0.485 J
F0489602	0 - 0.5	11/20/98	ND(0.504) J
F0489602	0.5 - 1	11/20/98	0.85 J
F0489603	0 - 0.5	11/20/98	ND(0.502) J
F0489604	0 - 0.5	11/20/98	5.42 J
F0489604	0.5 - 1	11/20/98	8.75 J
F0489605	0 - 0.5	11/20/98	9.89 J
F0489606	0 - 0.5	11/20/98	10.9 J
F0489606	0.5 - 1	11/20/98	26.8 J
F0489607	0 - 0.5	11/20/98	16.7 J
FL001280	0 - 0.5	01/31/00	4.4
FL001280	0.5 - 1	01/31/00	ND(0.501)
FL001281	0 - 0.5	01/31/00	16.6
FL001281	0.5 - 1	01/31/00	30.9
FL001282	0 - 0.5	01/31/00	ND(0.501)
FL001282	0.5 - 1	01/31/00	2.03
J6-3-1-SB-1	0 - 0.5	03/23/98	5.96
J6-3-1-SB-1	0.5 - 1	03/23/98	0.136
J6-3-1-SB-1	1 - 1.5	03/23/98	0.281
J6-3-1-SB-1	1.5 - 2	03/23/98	ND(0.114)
J6-3-1-SB-2	0 - 0.5	03/23/98	3.57
J6-3-1-SB-2	0.5 - 1	03/23/98	0.181
J6-3-1-SB-2	1 - 1.5	03/23/98	ND(0.114)
J6-3-1-SB-2	1.5 - 2	03/23/98	ND(0.123)
J6-3-1-SB-3	0 - 0.5	03/23/98	ND(0.135)
J6-3-1-SB-3	0.5 - 1	03/23/98	ND(0.124)
J6-3-1-SB-3	1 - 1.5	03/23/98	ND(0.126)
J6-3-1-SB-3	1.5 - 2	03/23/98	ND(0.125)
J6-3-1-SB-4	0 - 0.5	03/23/98	1.28
J6-3-1-SB-4	0.5 - 1	03/23/98	ND(0.118) [ND(0.122)]

Table 4-3
Group 3
Parcel J6-3-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
J6-3-1-SB-4	1 - 1.5	03/23/98	ND(0.121)
J6-3-1-SB-4	1.5 - 2	03/23/98	ND(0.116)
J6-3-1-SB-5	0 - 0.5	03/23/98	0.127
J6-3-1-SB-5	0.5 - 1	03/23/98	ND(0.114)
J6-3-1-SB-5	1 - 1.5	03/23/98	ND(0.118)
J6-3-1-SB-5	1.5 - 2	03/23/98	ND(0.129)
J6-3-1-SB-6	0 - 0.5	03/23/98	52.5
J6-3-1-SB-6	0.5 - 1	03/23/98	22.1
J6-3-1-SB-6	1 - 1.5	03/23/98	11.1
J6-3-1-SB-6	1.5 - 2	03/23/98	0.156
J6-3-1-SB-7	0 - 0.5	03/23/98	0.792
J6-3-1-SB-7	0.5 - 1	03/23/98	3.35 [2.79]
J6-3-1-SB-7	1 - 1.5	03/23/98	ND(0.134)
J6-3-1-SB-7	1.5 - 2	03/23/98	ND(0.137)
J6-3-1-SB-8	0 - 0.5	03/23/98	0.263
J6-3-1-SB-8	0.5 - 1	03/23/98	ND(0.12)
J6-3-1-SB-8	1 - 1.5	03/23/98	0.452
J6-3-1-SB-8	1.5 - 2	03/23/98	0.592
J6-3-1-SB-9	0 - 0.5	03/31/98	2.85
J6-3-1-SB-9	0.5 - 1	03/31/98	2.68 [2.78]
J6-3-1-SB-9	1 - 1.5	03/31/98	0.808
J6-3-1-SB-9	1.5 - 2	03/31/98	0.142
J6-3-1-SB-10	1 - 1.5	08/27/98	ND(0.12)
J6-3-1-SB-10	1.5 - 2	08/27/98	ND(0.114)
J6-3-1-SB-10	2 - 2.5	08/27/98	ND(0.121)
J6-3-1-SB-10	2.5 - 3	08/27/98	ND(0.115) [ND(0.119)]
J6-3-1-SB-11	1 - 1.5	08/27/98	7.11
J6-3-1-SB-11	1.5 - 2	08/27/98	1.09
J6-3-1-SB-11	2 - 2.5	08/27/98	1.86
J6-3-1-SB-11	2.5 - 3	08/27/98	9.54
J6-3-1-SB-12	1 - 1.5	08/27/98	0.5
J6-3-1-SB-12	1.5 - 2	08/27/98	ND(0.125)

Table 4-3
Group 3
Parcel J6-3-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN
RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
J6-3-1-SB-12	2 - 2.5	08/27/98	ND(0.144) [0.197]
J6-3-1-SB-13	0 - 0.5	08/27/98	70
J6-3-1-SB-13	0.5 - 1	08/27/98	90.5
J6-3-1-SB-13	1 - 1.5	08/27/98	129
J6-3-1-SB-13	1.5 - 2	08/27/98	23.9
J6-3-1-SB-13	2 - 2.5	08/27/98	20.1
J6-3-1-SB-13	2.5 - 3	08/27/98	2.09
J6-3-1-SB-13	3 - 3.5	08/27/98	1.66
J6-3-1-SB-13	3.5 - 4	08/27/98	0.766
J6-3-1-SB-14	0 - 0.5	08/27/98	18.2
J6-3-1-SB-14	0.5 - 1	08/27/98	13.2
J6-3-1-SB-14	1 - 1.5	08/27/98	15.3
J6-3-1-SB-14	1.5 - 2	08/27/98	199
J6-3-1-SB-14	2 - 2.5	08/27/98	50.5
J6-3-1-SB-14	2.5 - 3	08/27/98	98.1
J6-3-1-SB-14	3 - 3.5	08/27/98	68.8
J6-3-1-SB-14	3.5 - 4	08/27/98	25.3
J6-3-1-SB-15	0 - 0.5	08/27/98	38.2
J6-3-1-SB-15	0.5 - 1	08/27/98	35.5
J6-3-1-SB-15	1 - 1.5	08/27/98	88.5
J6-3-1-SB-15	1.5 - 2	08/27/98	143
J6-3-1-SB-15	2 - 2.5	08/27/98	157
J6-3-1-SB-15	2.5 - 3	08/27/98	28.3
J6-3-1-SB-15	3 - 3.5	08/27/98	16.1
J6-3-1-SB-15	3.5 - 4	08/27/98	23.9
J6-3-1-SS-1	0 - 0.5	10/02/97	0.45 [0.449]
J6-3-1-SS-1	0.5 - 1	10/02/97	0.15
J6-3-1-SS-2	0 - 0.5	10/02/97	1.46
J6-3-1-SS-2	0.5 - 1	10/02/97	0.254
J6-3-1-SS-3	0 - 0.5	10/02/97	8.1
J6-3-1-SS-3	0.5 - 1	10/02/97	7.25
J6-3-1-SS-4	0 - 0.5	03/23/98	ND(0.133)

Table 4-3
Group 3
Parcel J6-3-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
J6-3-1-SS-4	0.5 - 1	03/23/98	ND(0.126)
J6-3-1-SS-5	0 - 0.5	03/23/98	ND(0.135)
J6-3-1-SS-5	0.5 - 1	03/23/98	ND(0.136)
J6-3-1-SS-6	0 - 0.5	03/23/98	ND(0.153)
J6-3-1-SS-6	0.5 - 1	03/23/98	ND(0.135)
J6-3-1-SS-7	0 - 0.5	03/23/98	0.941
J6-3-1-SS-7	0.5 - 1	03/23/98	ND(0.127)
J6-3-1-SS-8	0 - 0.5	03/23/98	ND(0.128) [ND(0.136)]
J6-3-1-SS-8	0.5 - 1	03/23/98	ND(0.12)
J6-3-1-SS-9	0 - 0.5	03/31/98	4.51
J6-3-1-SS-9	0.5 - 1	03/31/98	1.15

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-4
Group 4
Parcels J5-2-8, -9, -10

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN
RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
F0434001	0 - 0.5	01/25/99	2.1 J
F0434001	1 - 1.5	01/25/99	1.42 J
F0434001	2 - 2.5	01/25/99	0.24 J
F0434003	0 - 0.5	01/25/99	16.3 J
F0434003	1 - 1.5	01/25/99	34.9 J
F0434003	2 - 2.5	01/25/99	99.9 J
F0434003-RE	0 - 0.5	08/10/99	77.2
F0434003-RE	1 - 1.5	08/10/99	1.53
F0434003-RE	2 - 2.5	08/10/99	0.506
FL000446	0 - 0.5	03/10/99	5
FL000578	0 - 0.5	04/09/99	22.4 J
FL000578	0.5 - 1	04/09/99	0.515
FL000578	1 - 6	04/09/99	1.3 [1.364 J]
FL000579	0 - 0.5	04/09/99	5.152
FL000579	0.5 - 1	04/09/99	3.95
FL000579	1 - 2	04/09/99	0.676 J
FL000580	0 - 0.5	04/09/99	5.308
FL000580	0.5 - 1	04/09/99	0.4127 J
FL000580	1 - 4.5	04/09/99	0.2501 J
FL000581	0 - 0.5	04/09/99	1.1 J
FL000581	0.5 - 1	04/09/99	0.633 J [0.608]{1.48}
FL000581	1 - 6	04/09/99	0.199
FL000745	0 - 0.5	07/20/99	2.86
FL000745	0.5 - 1	07/20/99	0.399 J
FL000746	0 - 0.5	07/20/99	2.13
FL000746	0.5 - 1	07/20/99	ND(0.502)
FL000747	0 - 0.5	07/20/99	0.562 J
FL000747	0.5 - 1	07/20/99	ND(0.503)
FL000863	0 - 0.5	09/14/99	10.1
FL000863	0.5 - 1	09/14/99	2.44
FL000961	0 - 0.5	11/04/99	24.1{10.8}
FL001283	0 - 0.5	01/31/00	1.84

Table 4-4
Group 4
Parcels J5-2-8, -9, -10

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001283	0.5 - 1	01/31/00	3.45
FL001284	0 - 0.5	01/31/00	2.44
FL001284	0.5 - 1	01/31/00	0.439 J
FL001285	0 - 0.5	01/31/00	9.39
FL001285	0.5 - 1	01/31/00	0.74 J
FL001286	0 - 0.5	01/31/00	4.7
FL001286	0.5 - 1	01/31/00	0.418 J
FL001463	0 - 0.5	07/05/00	4.6 [4.73]
FL001463	0.5 - 1	07/05/00	ND(0.5)
FL001471	0 - 0.5	07/07/00	5.38 J
FL001471	0.5 - 1	07/07/00	1.27 J
FL001626	0 - 0.5	08/16/00	3.2
FL001626	0.5 - 1	08/16/00	0.56 [0.53]
J5-2-10A	0 - 0.5	09/02/92	28
J5-2-10B	0 - 0.5	09/02/92	1.4 [1.9]
J5-2-10C	0 - 0.5	09/02/92	3.3
J5-2-10D	0 - 0.5	09/02/92	15
J5-2-10E	0 - 0.5	01/11/93	6.4
J5-2-10E	0.5 - 1	01/11/93	0.67
J5-2-6A	0 - 0.5	01/11/93	0.62
J5-2-6A	0.5 - 1	01/11/93	1.1
J5-2-6B	0 - 0.5	01/11/93	2.7
J5-2-6B	0.5 - 1	01/11/93	0.41

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. { } - Indicates split sample results.
5. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-5
Group 5
Parcel J5-2-11

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
BS000092	0 - 0.5	07/23/99	18.8
BS000092	0.5 - 1	07/23/99	16.9 J [41.8 J]
BS000093	0 - 0.5	07/23/99	18.2
BS000093	0.5 - 1	07/23/99	32.3{42.8}
BS000148	0 - 0.5	08/08/00	6.03
BS000148	0.5 - 1	08/08/00	4.32
BS000149	0 - 0.5	08/08/00	17.2
BS000149	0.5 - 1	08/08/00	27.7
F0435001	0 - 0.5	01/28/99	0.615 J
F0435001	1 - 1.5	01/28/99	0.597 J
F0435001	2 - 2.5	01/28/99	ND(0.5) J
FL000117	0 - 0.5	01/11/99	43.2J
FL000589	0 - 0.5	04/12/99	16
FL000589	0.5 - 1	04/12/99	6.8
FL000589	1 - 5	04/12/99	3.9
FL000590	0 - 0.5	04/12/99	0.17
FL000590	0.5 - 1	04/12/99	ND(0.018)
FL000590	1 - 1.5	04/12/99	ND(0.02)
FL000770	0 - 0.5	07/23/99	0.48 J
FL000770	0.5 - 1	07/23/99	ND(0.503)
FL000771	0 - 0.5	07/23/99	1.14
FL000771	0.5 - 1	07/23/99	ND(0.502)
FL000772	0 - 0.5	07/23/99	5.29
FL000772	0.5 - 1	07/23/99	1.11
FL000773	0 - 0.5	07/23/99	21.3
FL000773	0.5 - 1	07/23/99	6.07
FL000865	0 - 0.5	09/14/99	10.5
FL000865	0.5 - 1	09/14/99	1.29
FL000866	0 - 0.5	09/14/99	7.22
FL000866	0.5 - 1	09/14/99	0.704
FL000963	0 - 0.5	11/04/99	49.2
FL001289	0 - 0.5	02/01/00	2 J

Table 4-5
Group 5
Parcel J5-2-11

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001289	0.5 - 1	02/01/00	0.947 J
FL001291	0 - 0.5	02/01/00	8.34 J
FL001574	0 - 0.5	08/02/00	6.2 J
FL001574	0.5 - 1	08/02/00	2.55 J
J5-2-11-1	0 - 0.5	01/17/95	ND(0.048)
J5-2-11-1	0.5 - 1	01/17/95	ND(0.047)
J5-2-11-2	0 - 0.5	01/17/95	ND(0.052)
J5-2-11-2	0.5 - 1	01/17/95	ND(0.046)
J5-2-11-3	0 - 0.5	01/17/95	ND(0.05)
J5-2-11-3	0.5 - 1	01/17/95	ND(0.048)
J5-2-11-4	0 - 0.5	01/17/95	0.33 [0.42]
J5-2-11-4	0.5 - 1	01/17/95	0.12
J5-2-11-5	0 - 0.5	01/17/95	0.25
J5-2-11-5	0.5 - 1	01/17/95	0.053
J5-2-11-6	0 - 0.5	01/17/95	1.1
J5-2-11-6	0.5 - 1	01/17/95	0.16
J5-2-11-7	0 - 0.5	01/17/95	5.2
J5-2-11-7	0.5 - 1	01/17/95	0.48
J5-2-11-8	0 - 0.5	01/17/95	0.14
J5-2-11-8	0.5 - 1	01/17/95	ND(0.042) [ND(0.042)]
J5-2-11-9	0 - 0.5	01/17/95	28
J5-2-11-9	0.5 - 1	01/17/95	30

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. { } - Indicates split sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-6
Group 6
Parcel 29-5

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001335	0 - .5	02/03/00	7.75
FL001335	0.5 - 1	02/03/00	0.62[0.843]
FL001336	0 - .5	02/03/00	0.497J
FL001336	0.5 - 1	02/03/00	ND(0.5)
FL001337	0 - .5	02/03/00	ND(0.501)
FL001337	0.5 - 1	02/03/00	ND(0.503)
29-5-1	0 - 0.5	06/02/95	ND(0.05)
29-5-1	0.5 - 1	06/02/95	ND(0.05)
29-5-2	0 - 0.5	06/02/95	0.28
29-5-2	0.5 - 1	06/02/95	0.19
29-5-3	0 - 0.5	06/02/95	0.42
29-5-3	0.5 - 1	06/02/95	0.39

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-7
Group 7
Parcels 2-33, 4-73

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001403	2/8/00	0 - .5	13.4
FL001403	2/8/00	0.5 - 1	10.8
FL001404	2/8/00	0 - .5	2.7
FL001404	2/8/00	0.5 - 1	4.37
FL001498	7/14/00	0 - .5	0.292J
FL001498	7/14/00	0.5 - 1	0.43J
FL001499	7/14/00	0 - .5	ND(0.502)
FL001499	7/14/00	0.5 - 1	ND(0.502)
FL001500	7/14/00	0 - .5	4.18
FL001500	7/14/00	0.5 - 1	18.1
FL001501	7/14/00	0 - .5	1.07
FL001501	7/14/00	0.5 - 1	0.084

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
8-48-SB-1	0 - 0.5	04/08/98	3.92
8-48-SB-1	0.5 - 1	04/08/98	10.7
8-48-SB-1	1 - 1.5	04/08/98	6.77
8-48-SB-1	1.5 - 2	04/08/98	16.1
8-48-SB-1	2 - 2.5	04/08/98	1.45
8-48-SB-1	2.5 - 3	04/08/98	0.304
8-48-SB-1	3 - 3.5	04/08/98	ND(0.141)
8-48-SB-1	3.5 - 4	04/08/98	ND(0.123)
8-48-SB-2	0 - 0.5	04/08/98	5.76
8-48-SB-2	0.5 - 1	04/08/98	5.9
8-48-SB-2	1 - 1.5	04/08/98	12.1
8-48-SB-2	1.5 - 2	04/08/98	0.467
8-48-SB-2	2 - 2.5	04/08/98	0.214
8-48-SB-2	2.5 - 3	04/08/98	1.22
8-48-SB-2	3 - 3.5	04/08/98	ND(0.122)
8-48-SB-2	3.5 - 4	04/08/98	ND(0.121)
8-48-SB-3	0 - 0.5	04/08/98	6.34
8-48-SB-3	0.5 - 1	04/08/98	6.29
8-48-SB-3	1 - 1.5	04/08/98	9.12
8-48-SB-3	1.5 - 2	04/08/98	20.4
8-48-SB-3	2 - 2.5	04/08/98	15.8
8-48-SB-3	2.5 - 3	04/08/98	0.292
8-48-SB-3	3 - 3.5	04/08/98	ND(0.128)
8-48-SB-3	3.5 - 4	04/08/98	ND(0.119)
8-48-SB-4	0 - 0.5	04/08/98	18.5 [19]
8-48-SB-4	0.5 - 1	04/08/98	9.95
8-48-SB-4	1 - 1.5	04/08/98	1.03
8-48-SB-4	1.5 - 2	04/08/98	3.07
8-48-SB-4	2 - 2.5	04/08/98	4.54
8-48-SB-4	2.5 - 3	04/08/98	ND(0.116)
8-48-SB-4	3 - 3.5	04/08/98	ND(0.13)
8-48-SB-4	3.5 - 4	04/08/98	ND(0.126)

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

8-48-SB-5	0 - 0.5	04/08/98	28.8 [38]
8-48-SB-5	0.5 - 1	04/08/98	6.36
8-48-SB-5	1 - 1.5	04/08/98	1.48
8-48-SB-5	1.5 - 2	04/08/98	5.87
8-48-SB-5	2 - 2.5	04/08/98	3.7
8-48-SB-5	2.5 - 3	04/08/98	1.23
8-48-SB-5	3 - 3.5	04/08/98	ND(0.142)
8-48-SB-5	3.5 - 4	04/08/98	ND(0.12)
8-48-SB-6	0 - 0.5	04/10/98	20.4
8-48-SB-6	0.5 - 1	04/10/98	4.98
8-48-SB-6	1 - 1.5	04/10/98	0.638 [0.932]
8-48-SB-6	1.5 - 2	04/10/98	0.227
8-48-SB-7	0 - 0.5	04/10/98	1.99 [1.78]
8-48-SB-7	0.5 - 1	04/10/98	28.9
8-48-SB-7	1 - 1.5	04/10/98	13.2
8-48-SB-7	1.5 - 2	04/10/98	4.91
8-48-SB-7	2 - 2.5	07/30/98	14.2
8-48-SB-7	2.5 - 3	07/30/98	2.4
8-48-SB-7	3 - 3.5	07/30/98	0.293
8-48-SB-7	3.5 - 4	08/18/98	0.213
8-48-SB-7	4 - 4.5	08/18/98	ND(0.114)
8-48-SB-8	0 - 0.5	04/10/98	10.4
8-48-SB-8	0.5 - 1	04/10/98	10.9
8-48-SB-8	1 - 1.5	04/10/98	1.31
8-48-SB-8	1.5 - 2	04/10/98	0.366
8-48-SB-8	2 - 2.5	07/30/98	0.175
8-48-SB-9	0 - 0.5	04/10/98	2.99
8-48-SB-9	0.5 - 1	04/10/98	0.342
8-48-SB-9	1 - 1.5	04/10/98	ND(0.14)
8-48-SB-9	1.5 - 2	04/10/98	ND(0.15)
8-48-SB-10	0 - 0.5	04/10/98	2.88
8-48-SB-10	0.5 - 1	04/10/98	5.98
8-48-SB-10	1 - 1.5	04/10/98	2.65
8-48-SB-10	1.5 - 2	04/10/98	0.209

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

8-48-SB-10	2 - 2.5	07/30/98	1.55
8-48-SB-10	2.5 - 3	07/30/98	ND(0.158)
8-48-SB-10	3 - 3.5	07/30/98	3.7
8-48-SB-10	3 - 3.5	08/18/98	ND(0.147)
8-48-SB-10	4.5 - 5	08/18/98	ND(0.124)
8-48-SB-11	0 - 0.5	04/10/98	5.06
8-48-SB-11	0.5 - 1	04/10/98	0.189
8-48-SB-11	1 - 1.5	04/10/98	ND(0.138)
8-48-SB-11	1.5 - 2	04/10/98	ND(0.131)
8-48-SB-12	0 - 0.5	07/30/98	15
8-48-SB-12	0.5 - 1	07/30/98	8.12
8-48-SB-12	1 - 1.5	07/30/98	0.573
8-48-SB-12	1.5 - 2	07/30/98	1.07
8-48-SB-12	2 - 2.5	07/30/98	3.31
8-48-SB-12	2.5 - 3	07/30/98	0.775
8-48-SB-12	3 - 3.5	07/30/98	ND(0.131)
8-48-SB-13	0 - 0.5	07/30/98	18.3
8-48-SB-13	0.5 - 1	07/30/98	17.3
8-48-SB-13	1 - 1.5	07/30/98	13.9
8-48-SB-13	1.5 - 2	07/30/98	1.5
8-48-SB-13	2 - 2.5	07/30/98	0.817
8-48-SB-13	2.5 - 3	07/30/98	15.1
8-48-SB-13	3 - 3.5	07/30/98	37.5
8-48-SB-13	3.5 - 4	08/18/98	0.424 [0.809]
8-48-SB-13	4 - 4.5	08/18/98	0.774
8-48-SB-13	4.5 - 5	08/18/98	2.96
8-48-SB-13	5 - 5.5	08/18/98	0.249
8-48-SB-14	0 - 0.5	07/30/98	1.05
8-48-SB-14	0.5 - 1	07/30/98	0.239
8-48-SB-14	1 - 1.5	07/30/98	0.212
8-48-SB-14	1.5 - 2	07/30/98	0.537
8-48-SB-14	2 - 2.5	07/30/98	1.8
8-48-SB-14	2.5 - 3	07/30/98	0.646
8-48-SB-14	3 - 3.5	07/30/98	8.9

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

8-48-SB-14	3.5 - 4	08/17/98	5.59
8-48-SB-14	4 - 4.5	08/17/98	ND(0.131)
8-48-SB-15	0 - 0.5	07/30/98	ND(0.167)
8-48-SB-15	0.5 - 1	07/30/98	6.2
8-48-SB-15	1 - 1.5	07/30/98	27.8
8-48-SB-15	1.5 - 2	07/30/98	17.7
8-48-SB-15	2 - 2.5	07/30/98	6.24
8-48-SB-15	2.5 - 3	07/30/98	1.81
8-48-SB-15	3 - 3.5	07/30/98	ND(0.169)
8-48-SB-16	1 - 1.5	07/30/98	6.21 [3.34]
8-48-SB-16	1.5 - 2	07/30/98	0.978 [1.26]
8-48-SB-16	2 - 2.5	07/30/98	0.469
8-48-SB-16	2.5 - 3	07/30/98	ND(0.163)
8-48-SB-16	3 - 3.5	07/30/98	0.202
8-48-SB-17	1 - 1.5	07/30/98	3.88 [1.34]
8-48-SB-17	1.5 - 2	07/30/98	ND(0.214)
8-48-SB-17	2 - 2.5	07/30/98	ND(0.2)
8-48-SB-17	2.5 - 3	07/30/98	ND(0.161)
8-48-SB-17	3 - 3.5	07/30/98	12.4
8-48-SB-17	3 - 3.5	08/18/98	ND(0.182)
8-48-SB-18	1 - 1.5	07/30/98	21.9
8-48-SB-18	1.5 - 2	07/30/98	17.2
8-48-SB-18	2 - 2.5	07/30/98	11.3
8-48-SB-18	2.5 - 3	07/30/98	1.44
8-48-SB-18	3 - 3.5	07/30/98	0.384
8-48-SB-18	3.5 - 4	08/18/98	0.603
8-48-SB-18	4 - 4.5	08/18/98	ND(0.128)
8-48-SB-19	1 - 1.5	07/30/98	5.66
8-48-SB-19	1.5 - 2	07/30/98	1.61
8-48-SB-19	2 - 2.5	07/30/98	34.3
8-48-SB-19	2.5 - 3	07/30/98	1.38
8-48-SB-19	3 - 3.5	07/30/98	0.371
8-48-SB-19	3.5 - 4	08/17/98	ND(0.125)
8-48-SB-19	4 - 4.5	08/17/98	ND(0.13)

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

8-48-SB-20	1 - 1.5	07/30/98	1.56
8-48-SB-20	1.5 - 2	07/30/98	2.66
8-48-SB-20	2 - 2.5	07/30/98	0.959
8-48-SB-20	2.5 - 3	07/30/98	0.238
8-48-SB-20	3 - 3.5	07/30/98	1.17
8-48-SB-20	3.5 - 4	08/17/98	0.403
8-48-SB-20	4 - 4.5	08/17/98	ND(0.132)
8-48-SS-1	0 - 0.5	10/06/97	2.66
8-48-SS-1	0.5 - 1	10/06/97	7.86
8-48-SS-2	0 - 0.5	10/06/97	6.77
8-48-SS-2	0.5 - 1	10/06/97	17.5
8-48-SS-3	0 - 0.5	10/06/97	10.4 [11]
8-48-SS-3	0.5 - 1	10/06/97	15.3
8-48-SS-4	0 - 0.5	10/06/97	20.5
8-48-SS-4	0.5 - 1	10/06/97	16.9
8-48-SS-5	0 - 0.5	10/06/97	23.9
8-48-SS-5	0.5 - 1	10/06/97	10.4
F1670001	0 - 5	08/17/99	17.2
F1670001	1 - 1.5	08/17/99	4
F1670002	0 - 5	08/17/99	12.2
F1670002	1 - 1.5	08/17/99	3.09
F1670003	0 - 5	08/17/99	6.81
F1670003	1 - 1.5	08/17/99	ND(0.5)
F1670003	2 - 2.5	08/17/99	ND(0.507)
FL001188	0 - 0.5	12/01/99	6.95 J
FL001188	0.5 - 1	12/01/99	9.84 J
FL001189	0 - 0.5	12/01/99	6.81
FL001189	0.5 - 1	12/01/99	0.959
FL001190	0 - 0.5	12/01/99	31.7
FL001190	0.5 - 1	12/01/99	4.68
FP8A-L1	0 - 0.5	12/20/94	6.4
FP8A-L1	0.5 - 1	12/20/94	2.8
FP8A-L1	1 - 1.5	07/30/98	3.14
FP8A-L1	1.5 - 2	07/30/98	1.3

Table 4-8
Group 8
Parcel 8-48

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

FP8A-L1	2 - 2.5	07/30/98	16.1 [15.9]
FP8A-L1	2.5 - 3	07/30/98	0.242
FP8A-L1	3 - 3.5	07/30/98	ND(0.121)
FP8A-L2	0 - 0.5	12/20/94	4.2
FP8A-L2	0.5 - 1	12/20/94	0.28
FP8A-L2	1 - 1.5	07/30/98	18.2
FP8A-L2	1.5 - 2	08/17/98	20.4
FP8A-L2	2 - 2.5	08/17/98	1.87
FP8A-L2	2.5 - 3	08/17/98	0.463
FP8A-L2	3 - 3.5	08/17/98	ND(0.113)
FP8A-L3	0 - 0.5	12/20/94	13
FP8A-L3	0.5 - 1	12/20/94	5.6
FP8A-L3	1 - 1.5	05/25/95	10
FP8A-L3	1.5 - 2	05/25/95	22
FP8A-L3	2 - 2.5	05/25/95	2.3
FP8A-L3	2.5 - 3	05/25/95	0.37
FP8A-L3	3 - 3.5	05/25/95	0.55
FP8A-L4	0 - 0.5	12/20/94	1.5
FP8A-L4	0.5 - 1	12/20/94	0.45
FP8A-L4	1 - 1.5	08/18/98	ND(0.127)
FP8A-L5	0 - 0.5	12/20/94	ND(0.057)
FP8A-L5	0.5 - 1	12/20/94	ND(0.052)

Notes:

1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-9
Group 9
Parcel 29-104, -105

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
F2276504	0 - 0.5	01/04/00	1.41[0.955J]
F2276504	1 - 1.5	01/04/00	4.5
F2276504	2 - 2.5	01/04/00	ND(0.503)
F2276505	0 - 0.5	02/26/01	2.28
F2276505	1 - 1.5	02/26/01	0.715
F2276505	2 - 2.5	02/26/01	ND(0.504)
F2276506	0 - 0.5	08/25/99	4.03
F2276506	1 - 1.5	08/25/99	ND(0.5)
F2276506	2 - 2.5	08/25/99	ND(0.501)
FL000976	0 - 0.5	11/04/99	1.36[1.27]
FL000976	0.5 - 1	11/04/99	0.837

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-10
Group 10
Parcels 29-100, -101

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL000978	0 - .5	11/4/99	4.38
FL000978	0.5 - 1	11/4/99	2.89
FL001251	0 - .5	1/13/00	2.74
FL001251	0.5 - 1	1/13/00	7.33
FL001515	0 - .5	7/18/00	ND(0.501)
FL001515	0.5 - 1	7/18/00	ND(0.508)
FL001797	0 - .5	3/1/01	2J
FL001797	0.5 - 1	3/1/01	1.5J

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-11
Group 11
Parcels 29-83, -84, -85

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001564	0 - 0.5	08/01/00	0.896J
FL001564	0.5 - 1	08/01/00	0.319J
FL001752	0 - 0.5	02/22/01	5.6 J
FL001752	0.5 - 1	02/22/01	0.62 J
FL001753	0 - 0.5	02/22/01	0.54 J
FL001753	0.5 - 1	02/22/01	0.23 J

Notes:
1. J - Indicates estimated value less than the CLP-required quantitation limit.
2. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-12
Group 12
Parcels 29-78, -79

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001795	0 - 0.5	02/28/01	2.1 J
FL001795	0.5 - 1	02/28/01	0.4 J
FL001796	0 - 0.5	02/28/01	1.4 J
FL001796	0.5 - 1	02/28/01	0.55 J

Notes:
1. J - Indicates estimated value less than the CLP-required quantitation limit.
2. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-13
Group 13
Parcels 29-70, -72, -73, -74, -75

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001623	0 - 0.5	08/09/00	0.557
FL001623	0.5 - 1	08/09/00	1.46
FP9A-L1	0 - 0.5	01/04/95	1
FP9A-L1	0.5 - 1	01/04/95	1.5
FP9A-L2	0 - 0.5	01/04/95	1.5
FP9A-L2	0.5 - 1	01/04/95	1.6
FP9A-L3	0 - 0.5	01/04/95	0.48
FP9A-L3	0.5 - 1	01/04/95	0.33
FP9A-L4	0 - 0.5	01/04/95	ND(0.051)
FP9A-L4	0.5 - 1	01/04/95	ND(0.053)
FP9A-L5	0 - 0.5	01/04/95	ND(0.053)
FP9A-L5	0.5 - 1	01/04/95	0.085
FL001223	0 - 0.5	01/04/00	3.44J
FL001223	0.5 - 1	01/04/00	3.52J
FL001510	0 - 0.5	07/18/00	2.22
FL001510	0.5 - 1	07/18/00	1.93
FL001754	0 - 0.5	02/22/01	2.1 J
FL001754	0.5 - 1	02/22/01	3.7 J
FL001514	0 - 0.5	07/18/00	7.75
FL001514	0.5 - 1	07/18/00	1.91
F2277001	0 - 0.5	08/27/99	2.32
F2277001	1 - 1.5	08/27/99	ND(0.507)
F2277001	2 - 2.5	08/27/99	ND(0.506)
F2277002	0 - 0.5	08/27/99	1.11
F2277002	1 - 1.5	08/27/99	ND(0.504)
F2277002	2 - 2.5	08/27/99	ND(0.505)
F2277003	0 - 0.5	08/27/99	1.14
F2277003	1 - 1.5	08/27/99	ND(0.504)
F2277003	2 - 2.5	08/27/99	0.415 J

Table 4-13
Group 13
Parcels 29-70, -72, -73, -74, -75

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

Notes:

1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "02012_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-14
Group 14
Parcel 29-60

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001512	0 - 0.5	07/18/00	2.38
FL001512	0.5 - 1	07/18/00	0.578

Note:
1. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-15
Group 15
Parcel 26A-53

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001761	0 - 0.5	02/22/01	2.5J
FL001761	0.5 - 1	02/22/01	1.5J

Notes:
1. J - Indicates estimated value less than the CLP-required quantitation limit.
2. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-16
Group 16
Parcels 26A-40, -41

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001200	0 - 0.5	12/03/99	2.18
FL001200	0.5 - 1	12/03/99	1.65
FL001815	0 - 0.5	12/03/99	4.7
FL001815	0.5 - 1	12/03/99	1.3

Note:
1. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-17
Group 17
Parcels 26A-24, -26.01

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001516	0 - 0.5	07/19/00	1.39
FL001516	0.5 - 1	07/19/00	2.27
FL001768	0 - 0.5	02/23/01	1.8J
FL001768	0.5 - 1	02/23/01	3.8J

Notes:
1. J - Indicates estimated value less than the CLP-required quantitation limit.
2. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-18
Group 18
Parcel 20A-43

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001218	0 - 0.5	01/04/00	2.5J[2.58J]
FL001218	0.5 - 1	01/04/00	3.08J
FL001775	0 - 0.5	02/26/01	0.15J
FL001775	0.5 - 1	02/26/01	ND(0.021)J

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-19
Group 19
Parcels 20-4, 9-54.02

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
F2681006	0 - 0.5	09/14/99	4.35
F2681006	1 - 1.5	09/14/99	0.556
F2681006	2 - 2.5	09/14/99	ND(0.504)
F2883004	0 - 0.5	09/07/99	ND(0.51){0.065}
F2883004	1 - 1.5	09/07/99	ND(0.503)
F2883004	2 - 2.5	09/07/99	ND(0.504)
F2883005	0 - 0.5	09/07/99	ND(0.512)[ND(0.539)]
F2883005	1 - 1.5	09/07/99	ND(0.51)
F2883005	2 - 2.5	09/07/99	0.22J
F2883006	0 - 0.5	09/07/99	ND(0.512)
F2883006	1 - 1.5	09/07/99	ND(0.508)
F2883006	2 - 2.5	09/07/99	ND(0.503)
FL001563	0 - 0.5	07/31/00	3.2
FL001563	0.5 - 1	07/31/00	1.68
FL001582	0 - 0.5	08/02/00	1.21
FL001582	0.5 - 1	08/02/00	0.885
FL001696	0 - 0.5	10/06/00	2.8
FL001696	0.5 - 1	10/06/00	1.5

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. [ ] - Indicates duplicate sample results.
4. { } - Indicates split sample results.
5. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-20
Group 20
Parcels 9-56.02, -57

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL001522	0 - 0.5	07/19/00	0.324J
FL001522	0.5 - 1	07/19/00	0.029J
FL001523	0 - 0.5	07/19/00	ND(0.501)
FL001523	0.5 - 1	07/19/00	ND(0.502)

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-21
Group 21
Parcel 5-22

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
FL000980	0 - 0.5	11/04/99	0.727
FL000980	0.5 - 1	11/04/99	0.331 J

Notes:
1. J - Indicates estimated value less than the CLP-required quantitation limit.
2. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

Table 4-22
Group 22
Parcel 6-3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF EXISTING SOIL PCB DATA
(Results presented in dry-weight parts per million, ppm)

Sample ID	Depth (feet)	Date Collected	PCB, TOTAL (MG/KG)
F3186503	0 - 0.5	09/10/99	1.07
F3186501	0 - 0.5	09/10/99	4.02
F3186501	1 - 1.5	09/10/99	ND(0.502)
F3186501	2 - 2.5	09/10/99	ND(0.503)
F3186502	0 - 0.5	09/10/99	1.9
F3186502	1 - 1.5	09/10/99	ND(0.501)

Notes:
1. ND(0.05) - Not detected. The value in parentheses represents the associated quantitation limit.
2. J - Indicates estimated value less than the CLP-required quantitation limit.
3. Sample data obtained from USEPA database entitled "020102_usepa_hr_dbase1.mdb" and GE database entitled "hr013102.mdb".

TABLE 4-23

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SAMPLES FROM SOIL BORINGS BY DEPTH

SAMPLE ID	DEPTH INCREMENT (FEET)								
	0-1	1-2	1-3	2-4	3-5	4-6	5-7	6-8	8-10
GROUP 1									
1-SB-1	X		X		X		X		
1-SB-2	X		X		X		X		
1-SB-3	X		X		X		X		
GROUP 2									
2-SB-1	X		X		X		X		
2-SB-2	X		X		X		X		
2-SB-3	X		X		X		X		
2-SB-4	X		X		X		X		
2-SB-5	X		X		X		X		
2-SB-6	X		X		X		X		
2-SB-7	X		X		X		X		
2-SB-8	X		X		X		X		
2-SB-9	X		X		X		X		
2-SB-10	X		X		X		X		
2-SB-11	X		X		X		X		
2-SB-12	X		X		X		X		
2-SB-13	X		X		X		X		
2-SB-14	X		X		X		X		
GROUP 3									
3-SB-1	X	X		X		X		X	X
3-SB-2	X	X		X		X		X	X
3-SB-3	X	X		X		X		X	X
3-SB-4	X	X		X		X		X	X
3-SB-5	X	X		X		X		X	X
3-SB-6	X	X		X		X		X	X
3-SB-7	X	X		X		X		X	X
3-SB-8	X	X		X		X		X	X
3-SB-9	X	X		X		X		X	X
GROUP 4									
4-SB-1	X		X		X		X		
4-SB-2	X		X		X		X		
4-SB-3	X		X		X		X		
4-SB-4	X		X		X		X		
4-SB-5	X		X		X		X		
4-SB-6	X		X		X		X		
4-SB-7	X		X		X		X		
4-SB-8	X		X		X		X		

TABLE 4-23

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SAMPLES FROM SOIL BORINGS BY DEPTH

SAMPLE ID	DEPTH INCREMENT (FEET)								
	0-1	1-2	1-3	2-4	3-5	4-6	5-7	6-8	8-10
GROUP 4 cont'd									
4-SB-9	X		X		X		X		
4-SB-10	X		X		X		X		
4-SB-11	X		X		X		X		
4-SB-12	X		X		X		X		
4-SB-13	X		X		X		X		
4-SB-14	X		X		X		X		
GROUP 5									
5-SB-1	X		X		X		X		
5-SB-2	X		X		X		X		
5-SB-3	X		X		X		X		
GROUP 6									
6-SB-1	X		X		X		X		
6-SB-2	X		X		X		X		
6-SB-3	X		X		X		X		
6-SB-4	X		X		X		X		
6-SB-5	X		X		X		X		
GROUP 7									
7-SB-1	X		X		X				
7-SB-2	X		X		X				
7-SB-3	X		X		X				
7-SB-4	X		X		X				
7-SB-5	X		X		X				
7-SB-6	X		X		X				
7-SB-7	X		X		X				
7-SB-8	X		X		X				
GROUP 8									
8-SB-1	X		X		X				
8-SB-2	X		X		X				
8-SB-3	X		X		X				
GROUP 9									
9-SB-1	X		X		X				
9-SB-2	X		X		X				
9-SB-3	X		X		X				
9-SB-4	X		X		X				
9-SB-5	X		X		X				
9-SB-6	X		X		X				
9-SB-7	X		X		X				

TABLE 4-23

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SAMPLES FROM SOIL BORINGS BY DEPTH

SAMPLE ID	DEPTH INCREMENT (FEET)								
	0-1	1-2	1-3	2-4	3-5	4-6	5-7	6-8	8-10
GROUP 9 cont'd									
9-SB-8	X		X		X				
9-SB-9	X		X		X				
9-SB-10	X		X		X				
9-SB-11	X		X		X				
GROUP 10									
10-SB-1	X		X		X				
10-SB-2	X		X		X				
10-SB-3	X		X		X				
10-SB-4	X		X		X				
10-SB-5	X		X		X				
10-SB-6	X		X		X				
10-SB-7	X		X		X				
10-SB-8	X		X		X				
10-SB-9	X		X		X				
GROUP 11									
11-SB-1	X		X		X				
11-SB-2	X		X		X				
11-SB-3	X		X		X				
11-SB-4	X		X		X				
11-SB-5	X		X		X				
11-SB-6	X		X		X				
GROUP 12									
12-SB-1	X		X		X				
12-SB-2	X		X		X				
GROUP 13									
13-SB-1	X		X		X				
13-SB-2	X		X		X				
13-SB-3	X		X		X				
13-SB-4	X		X		X				
13-SB-5	X		X		X				
13-SB-6	X		X		X				
13-SB-7	X		X		X				
13-SB-8	X		X		X				
13-SB-9	X		X		X				
13-SB-10	X		X		X				
13-SB-11	X		X		X				
13-SB-12	X		X		X				

TABLE 4-23

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SAMPLES FROM SOIL BORINGS BY DEPTH

SAMPLE ID	DEPTH INCREMENT (FEET)								
	0-1	1-2	1-3	2-4	3-5	4-6	5-7	6-8	8-10
GROUP 13 cont'd									
13-SB-13	X		X		X				
13-SB-14	X		X		X				
13-SB-15	X		X		X				
13-SB-16	X		X		X				
13-SB-17	X		X		X				
13-SB-18	X		X		X				
13-SB-19	X		X		X				
GROUP 14									
14-SB-1	X		X		X				
14-SB-2	X		X		X				
14-SB-3	X		X		X				
14-SB-4	X		X		X				
GROUP 15									
15-SB-1	X		X		X				
15-SB-2	X		X		X				
GROUP 16									
16-SB-1	X		X		X				
16-SB-2	X		X		X				
16-SB-3	X		X		X				
16-SB-4	X		X		X				
16-SB-5	X		X		X				
GROUP 17									
17-SB-1	X		X		X				
17-SB-2	X		X		X				
17-SB-3	X		X		X				
17-SB-4	X		X		X				
17-SB-5	X		X		X				
17-SB-6	X		X		X				
GROUP 18									
18-SB-1	X		X		X				
18-SB-2	X		X		X				
GROUP 19									
19-SB-1	X		X		X				
19-SB-2	X		X		X				
19-SB-3	X		X		X				
19-SB-4	X		X		X				
19-SB-5	X		X		X				

TABLE 4-23

GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR THE FLOODPLAIN RESIDENTIAL PROPERTIES DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SAMPLES FROM SOIL BORINGS BY DEPTH

SAMPLE ID	DEPTH INCREMENT (FEET)								
	0-1	1-2	1-3	2-4	3-5	4-6	5-7	6-8	8-10
GROUP 19 cont'd									
19-SB-6	X		X		X				
19-SB-7	X		X		X				
19-SB-8	X		X		X				
19-SB-9	X		X		X				
19-SB-10	X		X		X				
19-SB-11	X		X		X				
19-SB-12	X		X		X				
19-SB-13	X		X		X				
19-SB-14	X		X		X				
19-SB-15	X		X		X				
GROUP 20									
NO PROPOSED SOIL BORINGS									
GROUP 21									
NO PROPOSED SOIL BORINGS									
GROUP 22									
22-SB-1	X		X		X				
22-SB-2	X		X		X				

Note: This table specifies the depth increments from which samples are proposed to be collected from the soil borings proposed in this PDI Work Plan. In general, between the confluence and Woods Pond Dam, except as otherwise specified in the text of this Work Plan, samples from depths to 5 below ground surface (bgs) will initially be analyzed for PCBs, and the 5- to 7-foot depth increment will be analyzed only if the data to 5 feet bgs do not define the vertical extent of PCBs. For properties downstream of Woods Pond Dam, samples from depths to 5 feet bgs will be analyzed for PCBs.

Figures

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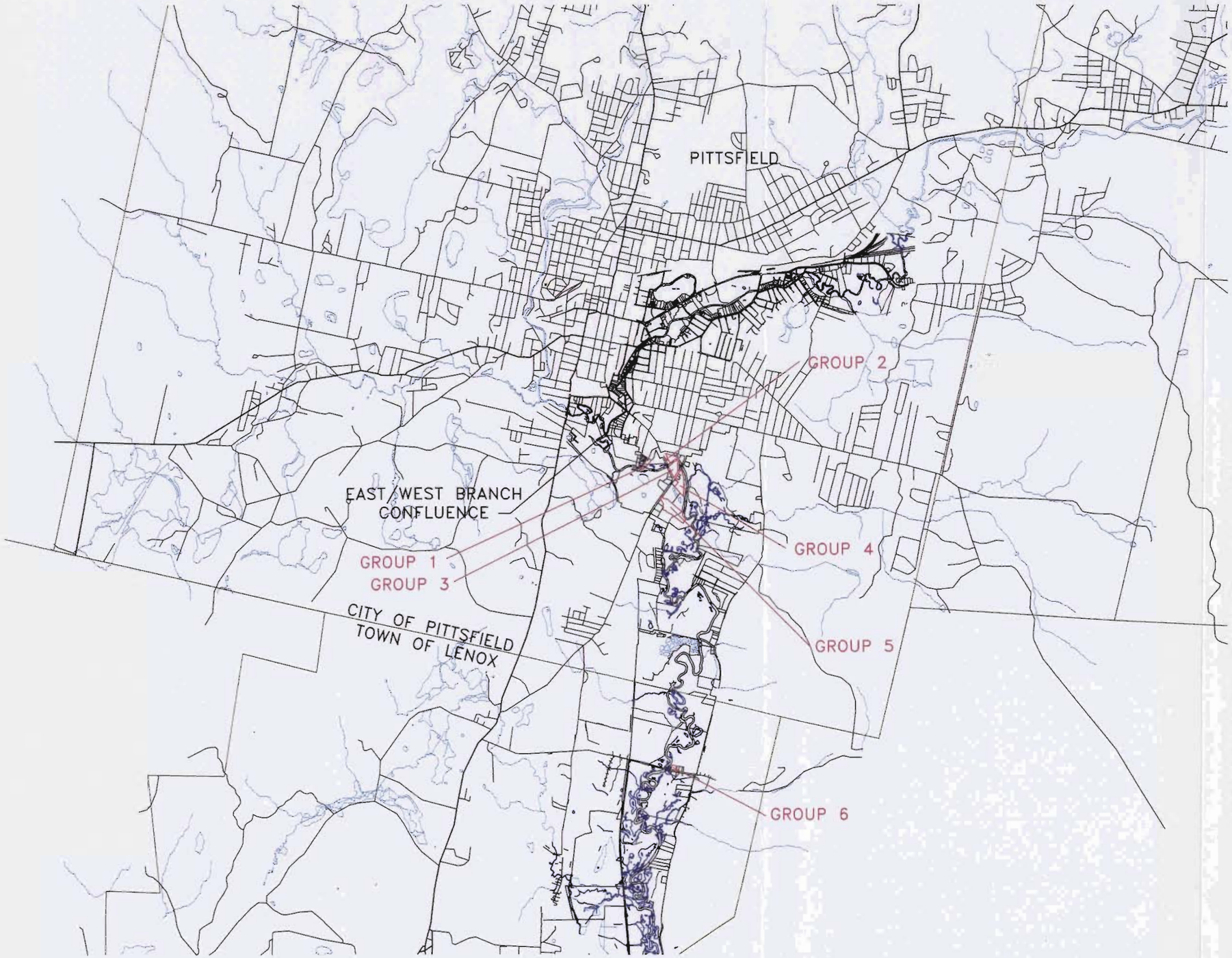
BLASLAND, BOUCK & LEE, INC.
engineers & scientists



0 2500' 5000'
GRAPHIC SCALE

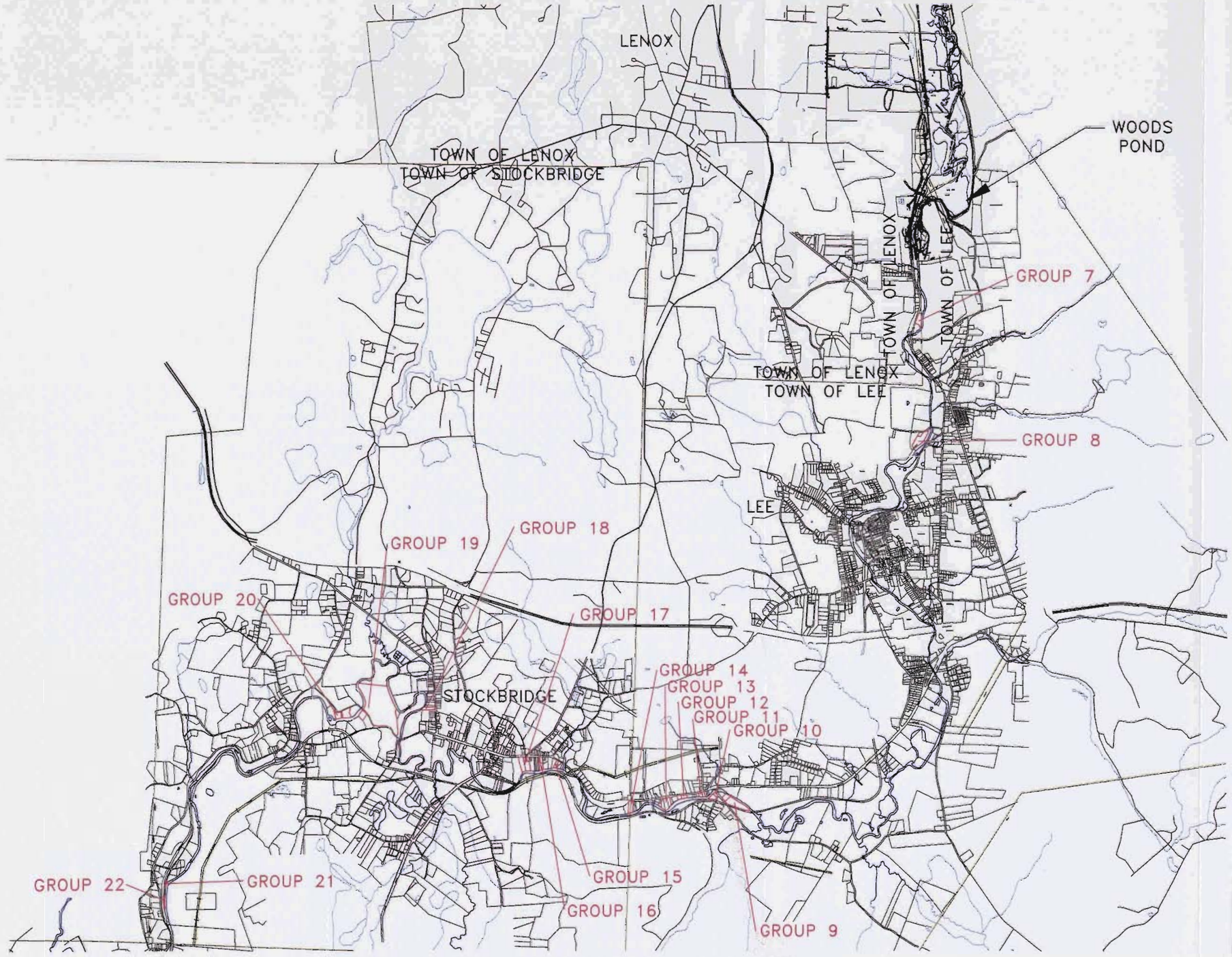
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

LOCATIONS OF DOWNSTREAM FLOODPLAIN RESIDENTIAL PROPERTIES KEY MAP

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 1-1

X: BUFFER-1, PARCELS, TOWNS_P
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS KMD NES
20199060/ROR/20199017.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



0 2500' 5000'
GRAPHIC SCALE

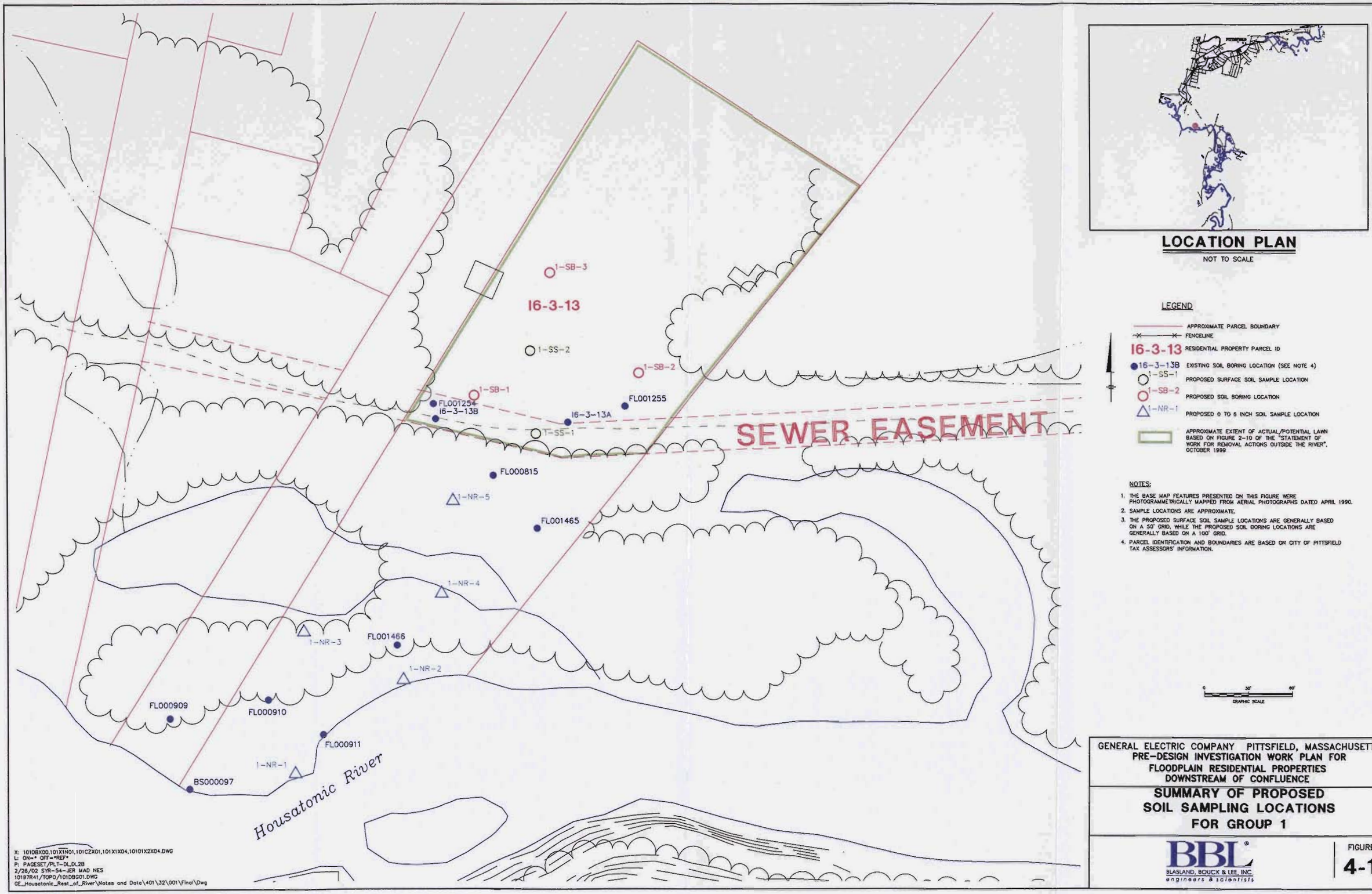
X: BUFFER-1, PARCELS, TOWNS_P
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS KWD NES
2019060/ROR/2019G18.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

LOCATIONS OF DOWNSTREAM FLOODPLAIN RESIDENTIAL PROPERTIES KEY MAP

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 1-2



LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- I6-3-13 RESIDENTIAL PROPERTY PARCEL ID
- I6-3-13B EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 1-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 1-SB-2 PROPOSED SOIL BORING LOCATION
- 1-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURE 2-10 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. THE PROPOSED SURFACE SOIL SAMPLE LOCATIONS ARE GENERALLY BASED ON A 50' GRID, WHILE THE PROPOSED SOIL BORING LOCATIONS ARE GENERALLY BASED ON A 100' GRID.
4. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 1

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-1

X: 101DBX00,101XIN01,101CZX01,101X1X04,10101X2X04.DWG
L: ON=* OFF=*REF*
P: PAGESET/PLT-DL-DL2B
2/26/02 SYR-54-JER MAD NES
10197R41/TOPO/101DBG01.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg

X: 1010BX00,101X1N01,101CZX01,101X1X04,101X2X04.DWG,
L: ON=* OFF=*REF*
P: PAGESET/DL_DL2B
2/25/02 SYR-54-JER NES MAD
10194TR41/TOPO/1010BG02.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\601\Final\Dwg

LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- J6-2-2 RESIDENTIAL PROPERTY PARCEL ID
- J6-2-2H EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 2-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 2-SB-2 PROPOSED SOIL BORING LOCATION
- 2-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURE 2-10 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. THE PROPOSED SURFACE SOIL SAMPLE LOCATIONS ARE GENERALLY BASED ON A 50' GRID, WHILE THE PROPOSED SOIL BORING LOCATIONS ARE GENERALLY BASED ON A 100' GRID.
4. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

0 30' 60'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 2

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-2

LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- I6-3-13 RESIDENTIAL PROPERTY PARCEL ID
- FL00128 EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 3-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 3-SB-2 PROPOSED SOIL BORING LOCATION
- 3-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURE 2-10 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. THE PROPOSED SURFACE SOIL SAMPLE LOCATIONS ARE GENERALLY BASED ON A 50' GRID, WHILE THE PROPOSED SOIL BORING LOCATIONS ARE GENERALLY BASED ON A 100' GRID.
4. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

0 40' 80'
GRAPHIC SCALE

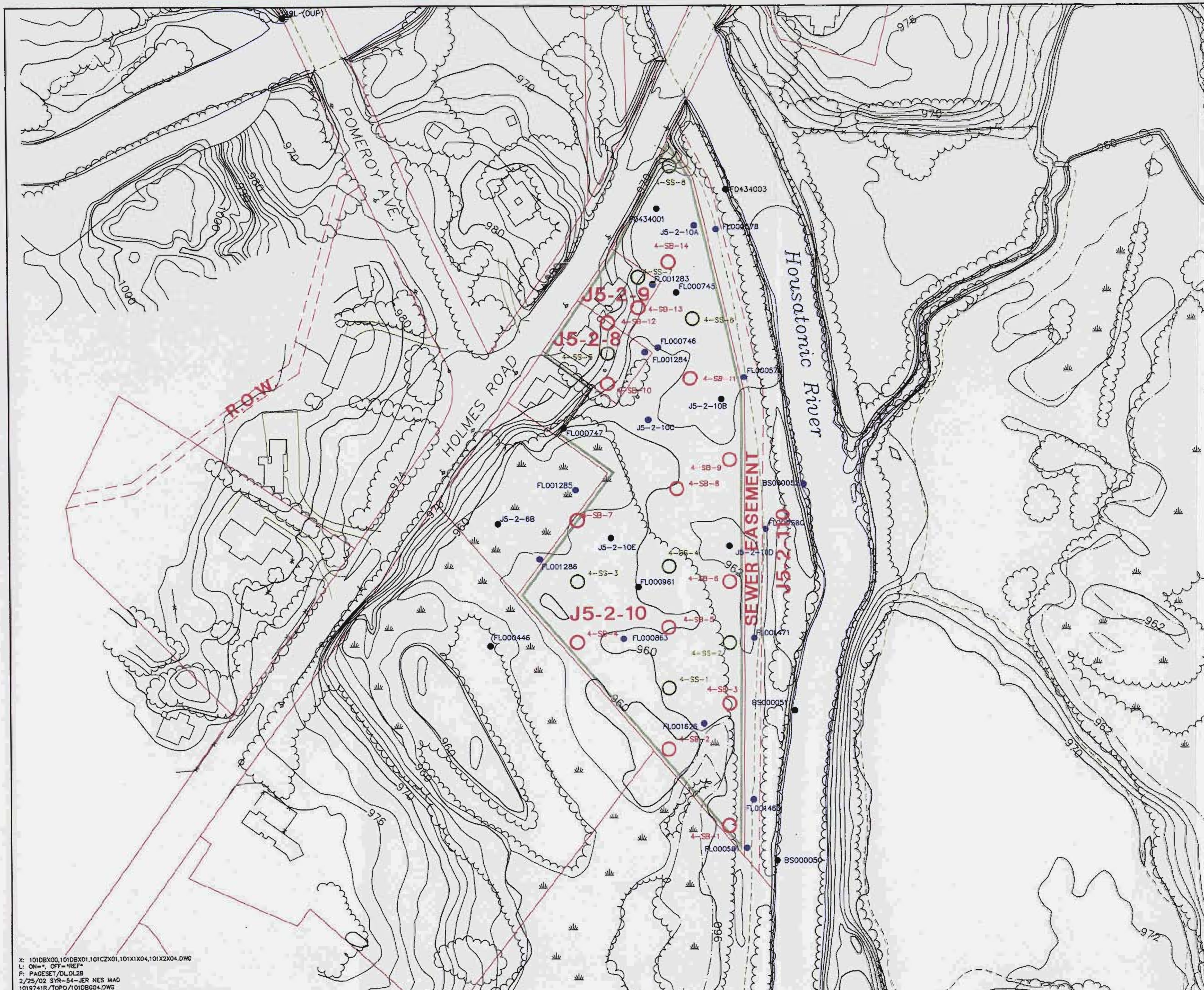
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

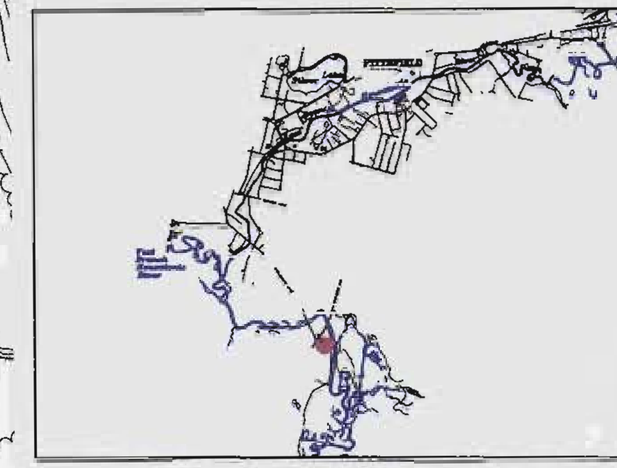
SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 3

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-3

X: 101DBX00,101XIN01,101CZX01,101XIX04,101X2X04.DWG
L: GN=* OFF=*REF*
P: PAGESET/PLT-DLDL2B
2/25/02 SYR-54-JER NES MAD
10197R41/TOPO/101DB003.DWG
(GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg





LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- J5-2-8 RESIDENTIAL PROPERTY PARCEL ID
- J5-2-10C EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 4-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 4-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURE 2-10 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. THE PROPOSED SURFACE SOIL SAMPLE LOCATIONS ARE GENERALLY BASED ON A 50' GRID, WHILE THE PROPOSED SOIL BORING LOCATIONS ARE GENERALLY BASED ON A 100' GRID.
4. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

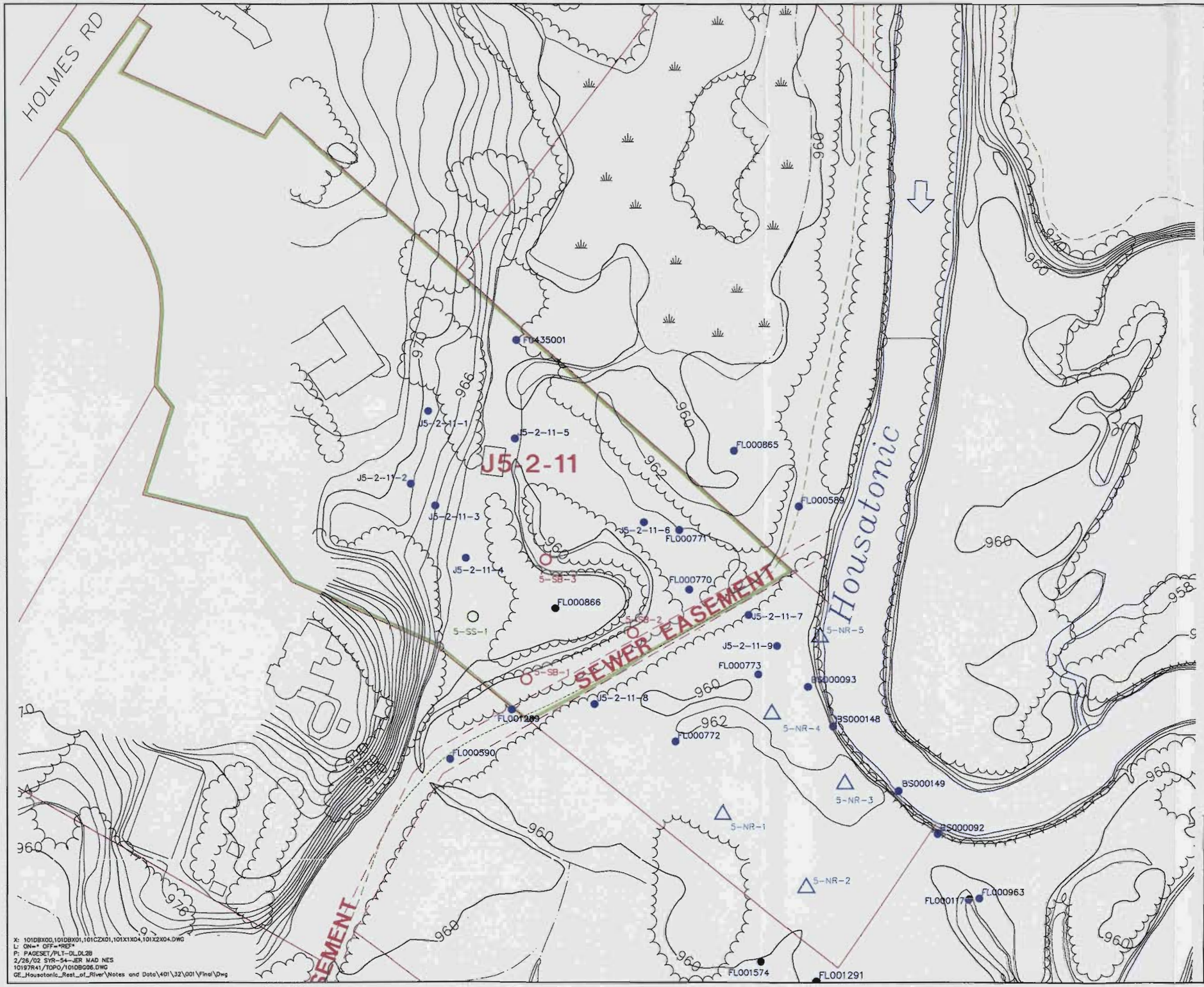
0 80' 160'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 4

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE
4-4



X: 101DBX00,101DBX01,101CZX01,101X1X04,101X2X04.DWG
L: ON=* OFF=*REF*
P: PAGESET/PLT-DL_DL2B
2/26/02 SYR-54-JER MAD NES
10197R41/TOPO/101DBG06.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg

LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- J5-2-11 RESIDENTIAL PROPERTY PARCEL ID
- FL000772 EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 5-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 5-SB-2 PROPOSED SOIL BORING LOCATION
- 5-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURES 2-10 AND 2-11 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. THE PROPOSED SURFACE SOIL SAMPLE LOCATIONS ARE GENERALLY BASED ON A 50' GRID, WHILE THE PROPOSED SOIL BORING LOCATIONS ARE GENERALLY BASED ON A 100' GRID.
4. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

0 60' 120'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 5

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

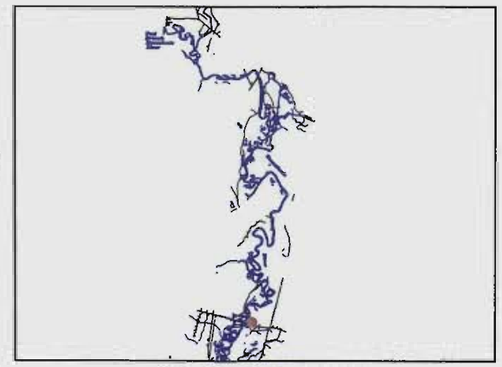
FIGURE 4-5

Housatonic River

FL001335
6-SB-3
29-5-3
FL001337
6-SS-3
6-SB-2
29-5-2
6-SS-2
6-SB-4
29-5
6-SB-1
FL001336
6-SS-4
29-5-1
6-SS-1
6-SB-5

NEW LENOX ROAD

X: 101DBX00,101X1N01,101X1X07,101X2X07.DWG
L: ON=* OFF=*REF*
P: PAGESET/PLT-DL
2/25/02 SYR-54-NES NES MAD
10197841/TOPO/101DBG05.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND

- APPROXIMATE PARCEL BOUNDARY
- FENCELINE
- 29-5 RESIDENTIAL PROPERTY PARCEL ID
- 29-5-1 EXISTING SOIL BORING LOCATION (SEE NOTE 4)
- 6-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 6-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON FIGURE 2-16 OF THE "STATEMENT OF WORK FOR REMOVAL ACTIONS OUTSIDE THE RIVER", OCTOBER 1999

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM AERIAL PHOTOGRAPHS DATED APRIL 1990.
2. SAMPLE LOCATIONS ARE APPROXIMATE.
3. PARCEL IDENTIFICATION AND BOUNDARIES ARE BASED ON CITY OF PITTSFIELD TAX ASSESSORS' INFORMATION.

0 20' 40'
GRAPHIC SCALE

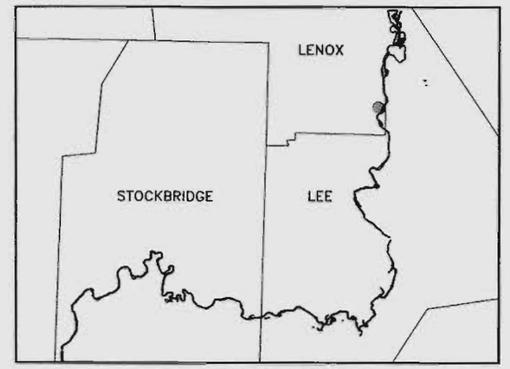
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 6

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-6

X: 20199X02.DWG, 20199X00.DWG, 20199X08.SID
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54-GMS KMD NES
20199060/RDR/20099001.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- TOWNSHIP BOUNDARY
- 4-73 RESIDENTIAL PROPERTY PARCEL ID
- FL001499 EXISTING SOIL BORING LOCATION
- 7-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 7-SB-2 PROPOSED SOIL BORING LOCATION
- 7-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

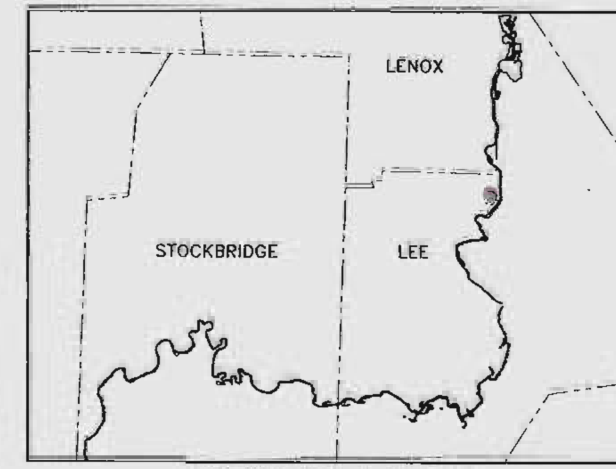
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 7

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-7

X: 20199X02, 20199X0().DWG, 20199X07, 20199X0A.SID
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS MAD NES
20199060/ROR/20199G02.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 8-48 — RESIDENTIAL PROPERTY PARCEL ID
- 8-48-SB-1 — EXISTING SOIL BORING LOCATION
- 8-SS-1 — PROPOSED SURFACE SOIL SAMPLE LOCATION
- 8-SB-2 — PROPOSED SOIL BORING LOCATION
- 8-NR-1 — PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT AND FIELD RECONNAISSANCE

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

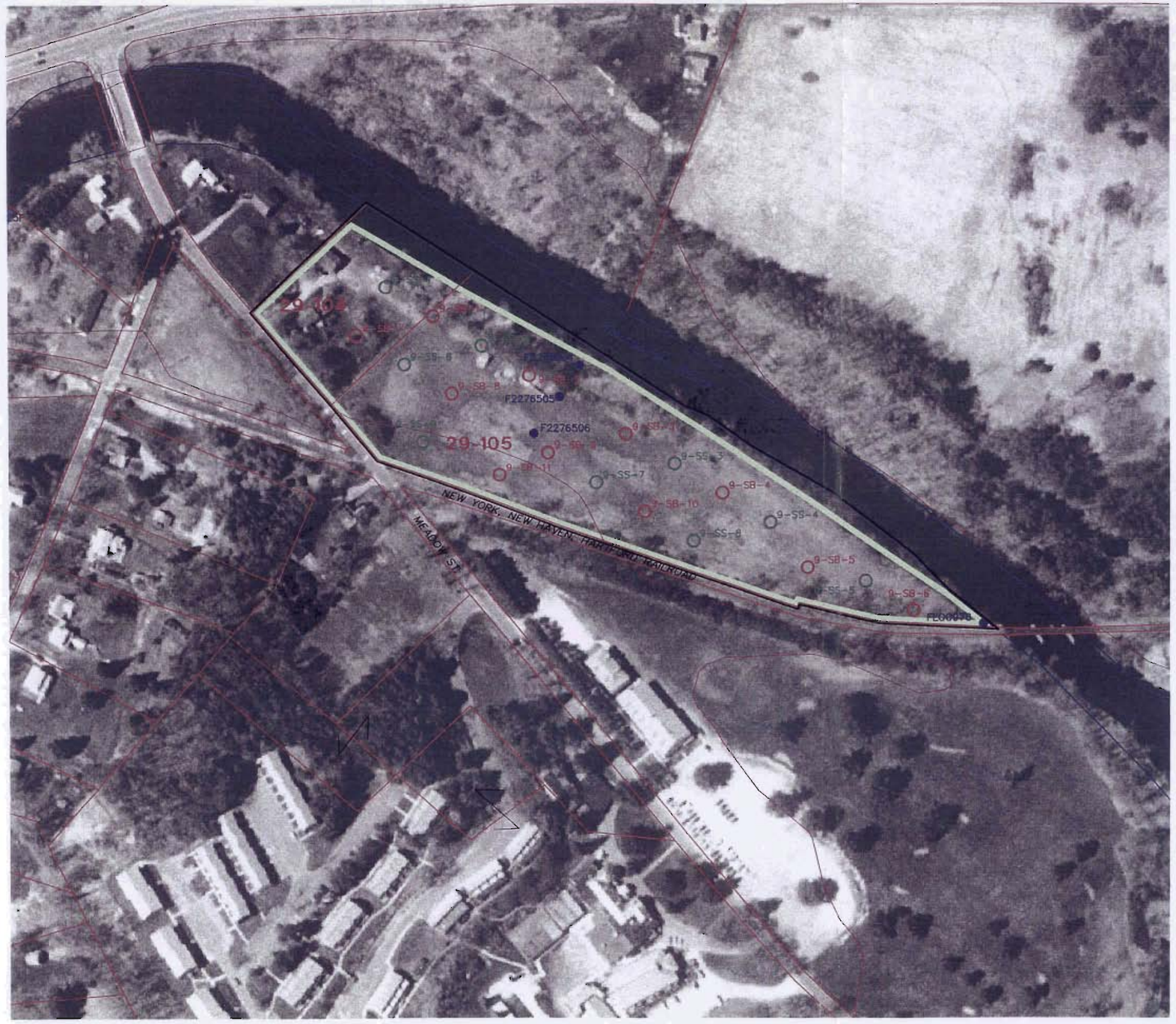
0 60' 120'
GRAPHIC SCALE

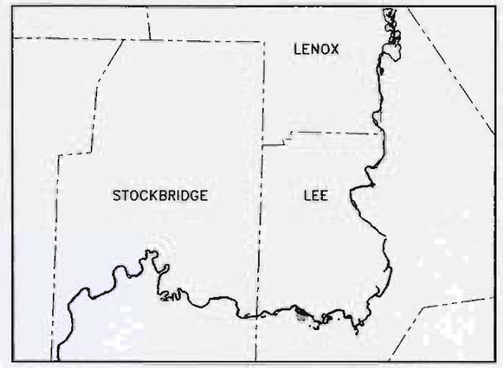
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 8

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE **4-8**





LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 29-104 RESIDENTIAL PROPERTY PARCEL ID
- F2276505 EXISTING SOIL BORING LOCATION
- 9-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 9-SB-1 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 100' 200'
GRAPHIC SCALE

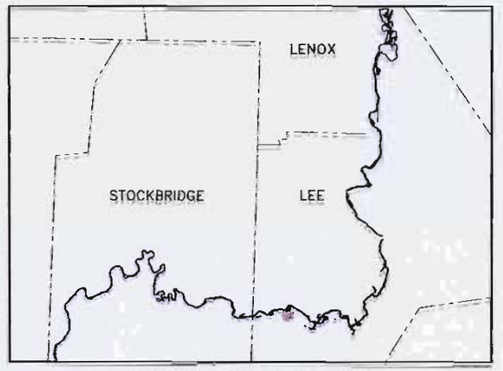
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 9

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-9

X: 20199X00.DWG, 20199X02.DWG,
20199X04.SID, 20199X06.SID
L: ON=*; OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS KMD NES
20199060/ROR/20199G03.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 29-100 RESIDENTIAL PROPERTY PARCEL ID
- FL001515 EXISTING SOIL BORING LOCATION
- 9-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 9-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 50' 100'
GRAPHIC SCALE

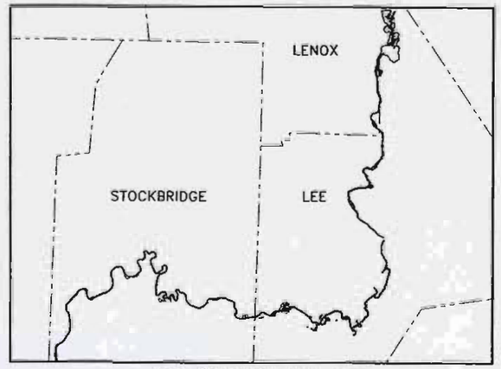
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 10

BBL Blasland, Bouck & Lee, Inc. engineers & scientists

FIGURE 4-10

X: 20199X00.DWG, 20199X02.DWG,
20199X04.SID, 20199X06.SID
L: ON=*; OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS MAD NES
20199060/ROR/20199G04.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 29-84 RESIDENTIAL PROPERTY PARCEL ID
- FL001564 EXISTING SOIL BORING LOCATION
- 11-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 11-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPAs PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 30' 60'
GRAPHIC SCALE

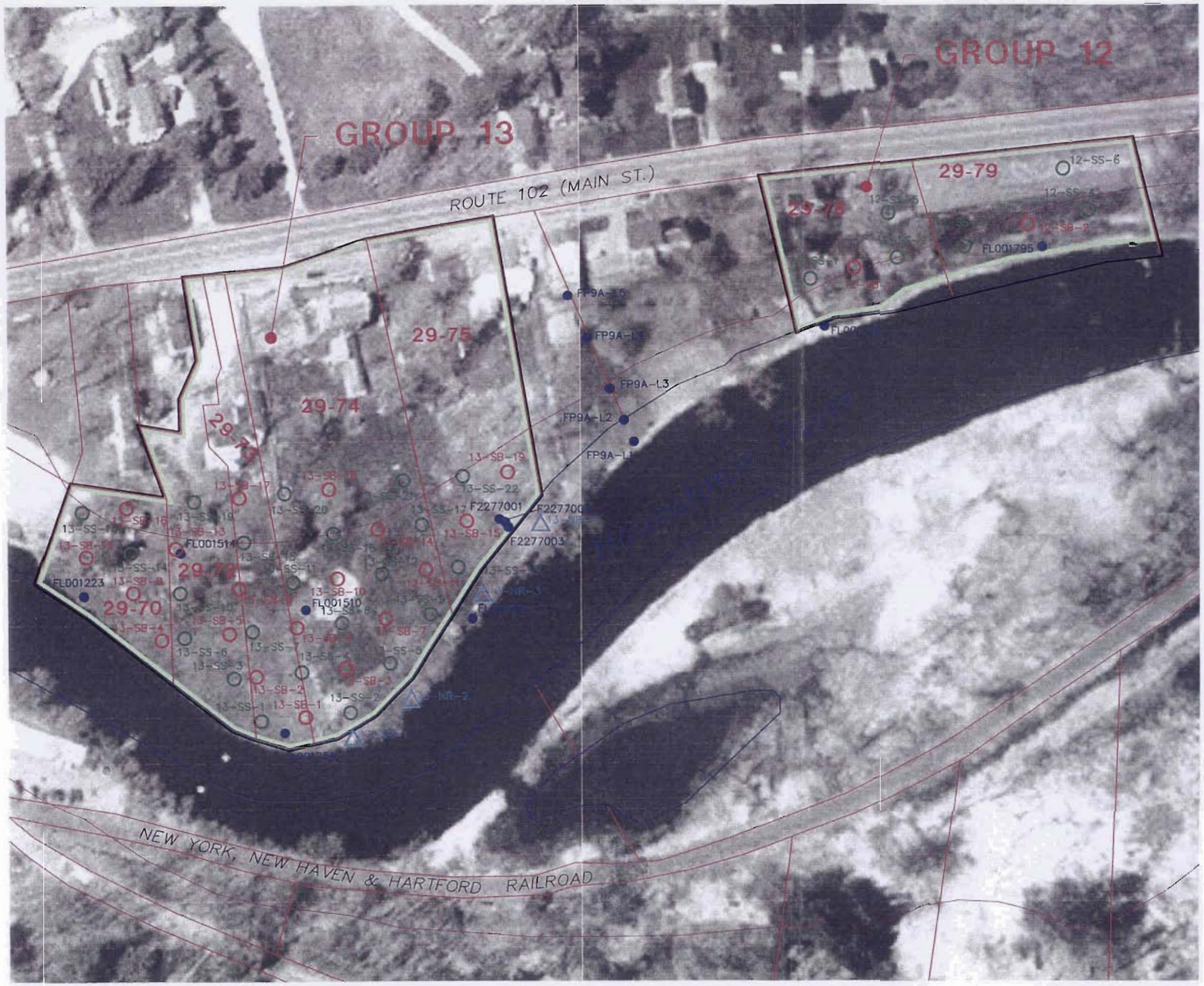
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

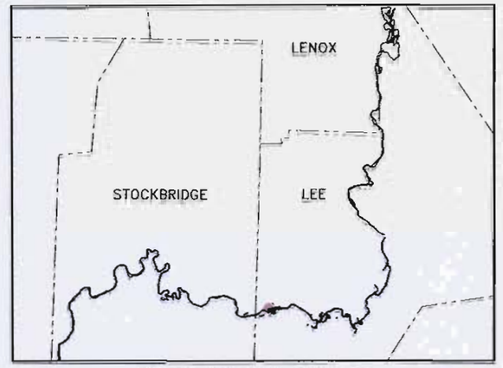
SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 11

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-11

X: 20199X00.DWG, 20199X02.DWG, 20199X06.SID
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS NES MAD
20199060/ROR/20199G05.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg





LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 29-78 FP9A — RESIDENTIAL PROPERTY PARCEL ID
- EXISTING SOIL BORING LOCATION
- 12-SS-1 — PROPOSED SURFACE SOIL SAMPLE LOCATION
- 13-SB-2 — PROPOSED SOIL BORING LOCATION
- 13-NR-1 — PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 50' 100'
GRAPHIC SCALE

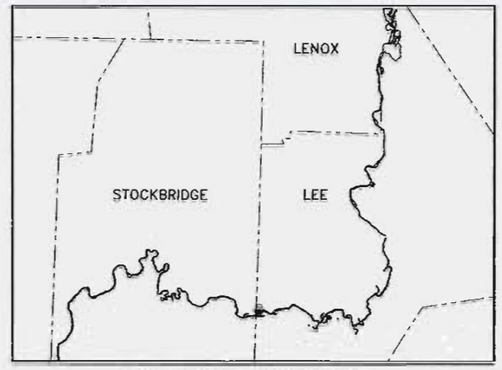
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUPS 12 AND 13

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-12

X: 20199X00.DWG, 20199X02.DWG, 20199X04.SID, 20199X06.SID
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS KMD NES
20199060/ROR/20199G07.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- TOWNSHIP BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 29-60 RESIDENTIAL PROPERTY PARCEL ID
- FL001512 EXISTING SOIL BORING LOCATION
- 14-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 14-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

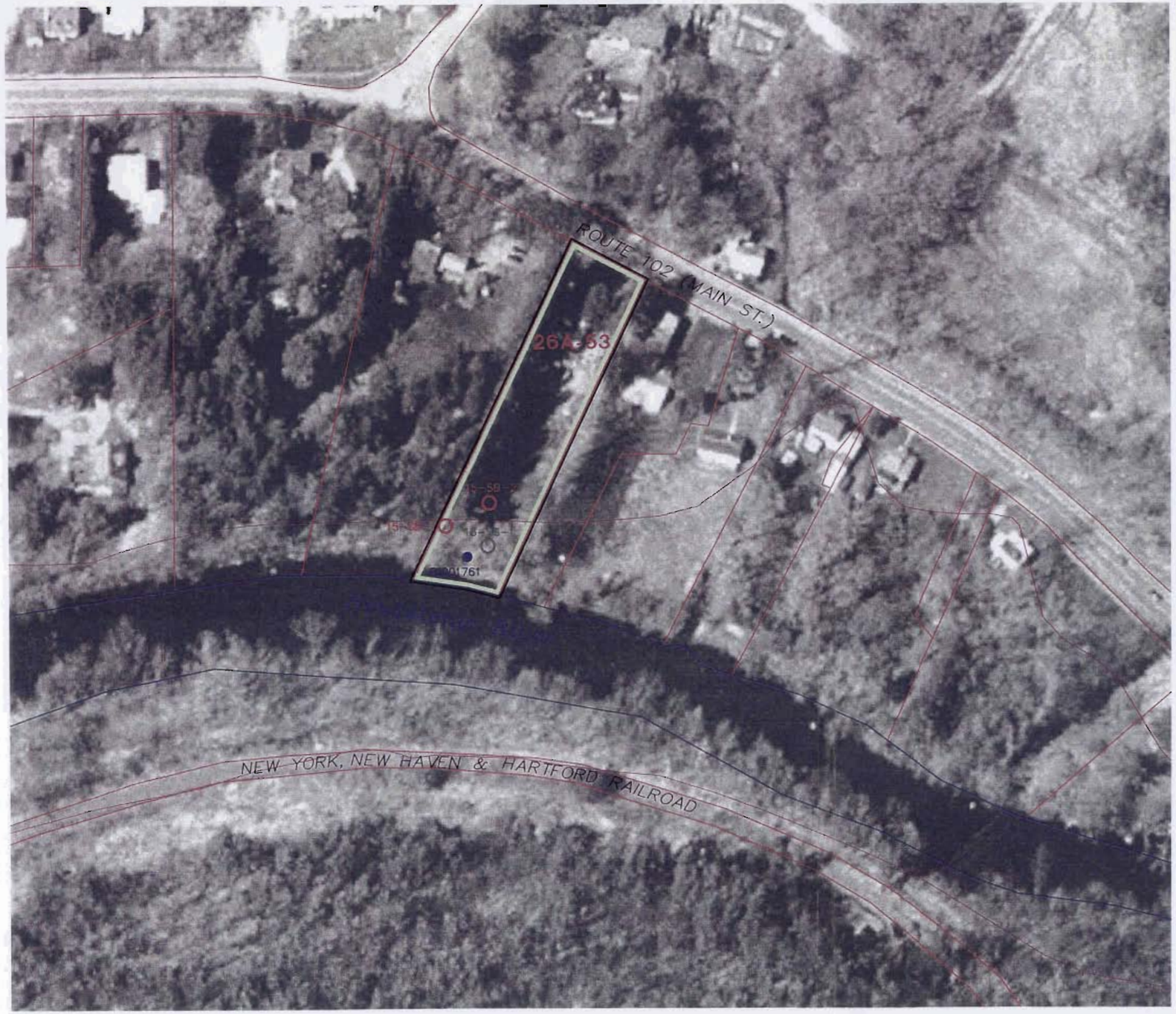
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

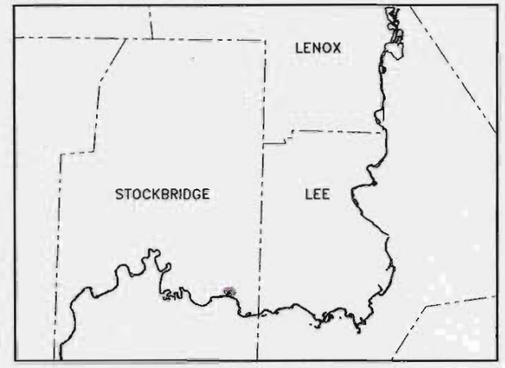
SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 14

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-13

X: 20199X00.DWG, 20199X02.DWG, 20199X04.SID,
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS MAD NES
20199060/ROR/20199013.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg





LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 26A-53 RESIDENTIAL PROPERTY PARCEL ID
- FL001761 EXISTING SOIL BORING LOCATION
- 15-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 15-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

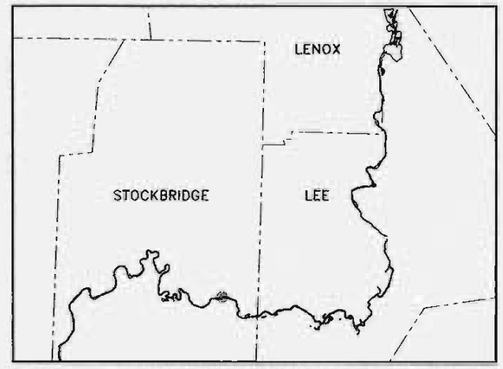
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 15

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-14

X: 20199X00.DWG, 20199X02.DWG, 20199X04.SID
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/26/02 SYR-54 GMS MAD NES
20199060/ROR/20199G14.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 26A-40 RESIDENTIAL PROPERTY PARCEL ID
- FL001200 EXISTING SOIL BORING LOCATION
- 16-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 16-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

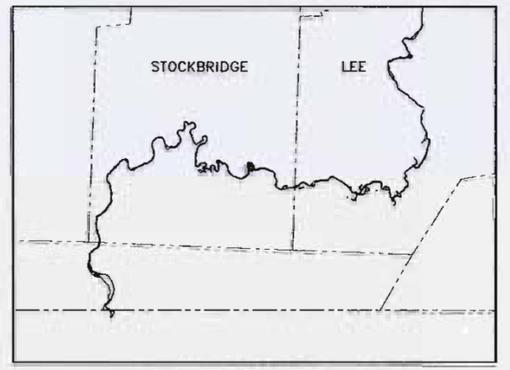
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 16

BBL® BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-15

X: 20199X00.DWG, 20199X02.DWG, 20199X04.SID
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/25/02 SYR-54 GMS MAD NES
20199060/ROR/20199G15.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

	SITE
	TAX PARCEL BOUNDARY
	100-YEAR FLOODPLAIN BOUNDARY
26A-24	RESIDENTIAL PROPERTY PARCEL ID
● FL001516	EXISTING SOIL BORING LOCATION
○ 17-SS-1	PROPOSED SURFACE SOIL SAMPLE LOCATION
○ 17-SB-2	PROPOSED SOIL BORING LOCATION
	APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

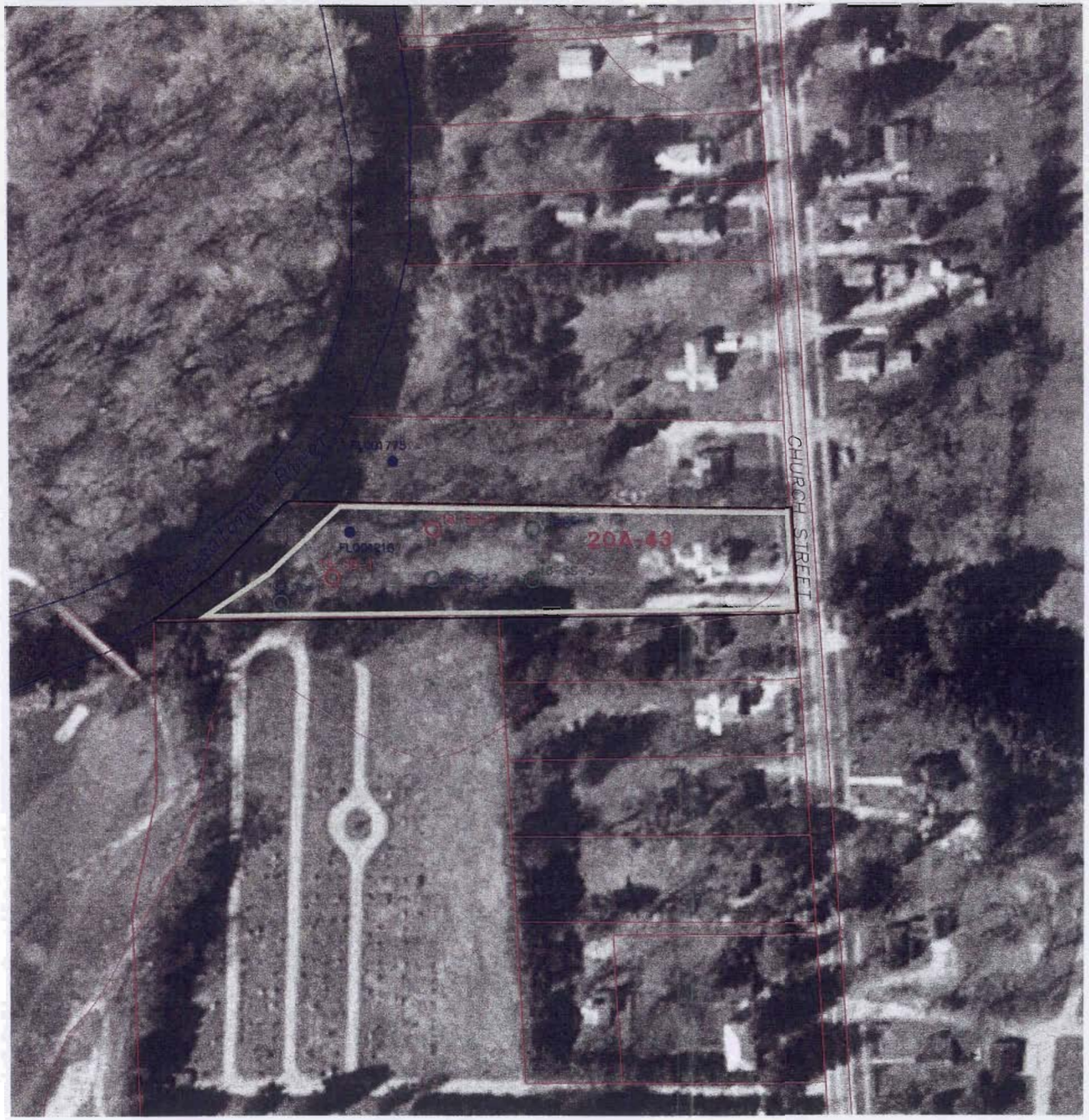
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

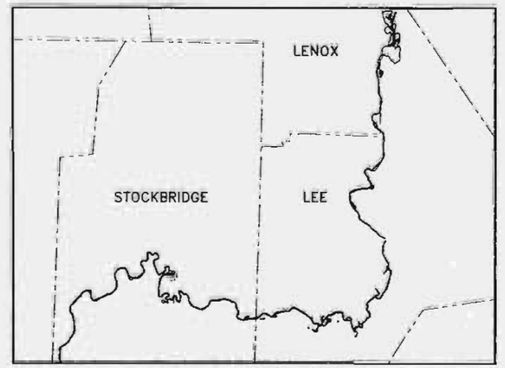
SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 17

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-16

X: 20199X00.DWG, 20199X02.DWG, 20199X04.SID
L: ON=*, OFF=REF*
P: PAGESET/PLT-DL
2/25/02 SYR-54 GMS MAD NES
20199060/ROR/20199G15.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg





LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 20A-43 RESIDENTIAL PROPERTY PARCEL ID
- FL001218 EXISTING SOIL BORING LOCATION
- 18-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 18-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF LEE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

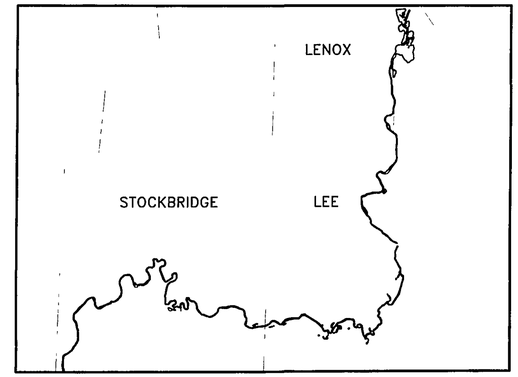
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 18

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-17

X: 20199X00.DWG, 20199X02.DWG, 20199X05.SID
L: ON=*, OFF=*REF*
P: PAGESET/PLT-DL
2/25/02 SYS-54 GMS NES
20199060/ROR/20199G10.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 20-4 RESIDENTIAL PROPERTY PARCEL ID
- F2883004 EXISTING SOIL BORING LOCATION
- 19-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 19-SB-2 PROPOSED SOIL BORING LOCATION
- 19-NR-1 PROPOSED 0 TO 6 INCH SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1 TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001

2 TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS

3 AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON)

0 120 240
GRAPHIC SCALE

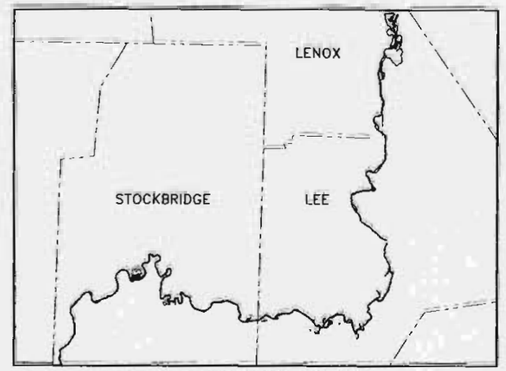
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS GROUP 19

BBL BLASLAND, BOUCK & LEE, INC engineers & scientists

FIGURE 4-18

X 20199X00.DWG, 20199X02.DWG, 20199X03.SID, 20199X05.SID
L ON=*, OFF=*REF*
P PAGESET/PLT-DL
2/26/02 SYR-54 GMS KMD NES
20199060/ROR/20199G08.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 9-57 RESIDENTIAL PROPERTY PARCEL ID
- FL001522 EXISTING SOIL BORING LOCATION
- 20-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 60' 120'
GRAPHIC SCALE

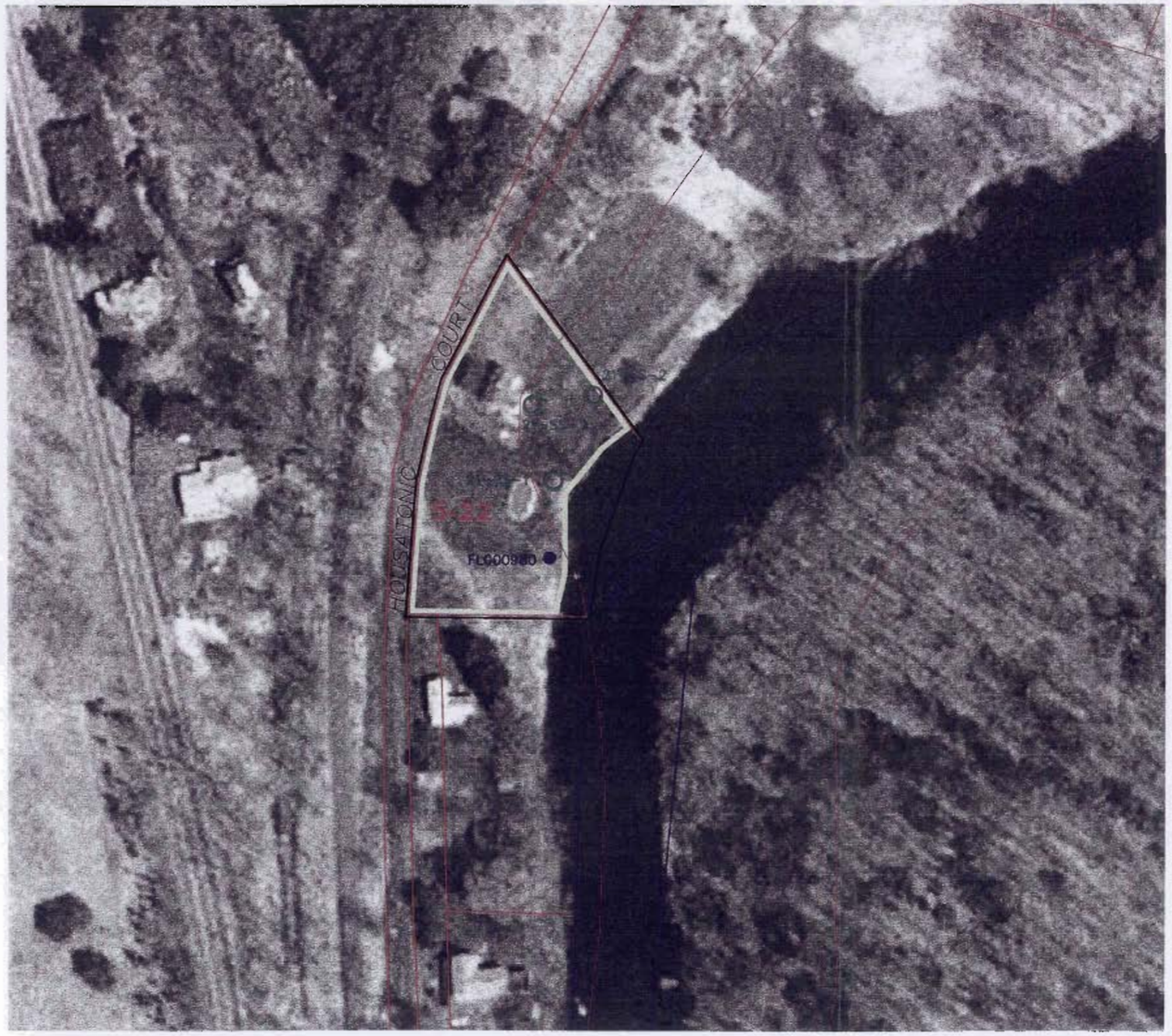
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

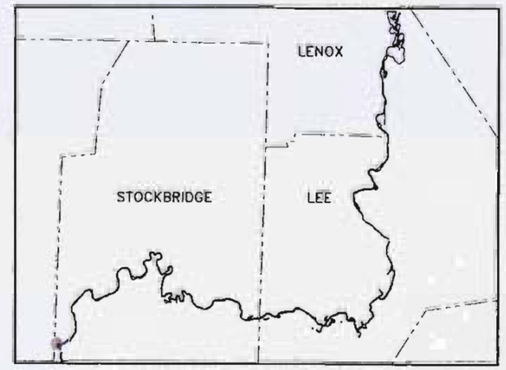
SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 20

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-19

X: 20199X00.DWG, 20199X02.DWG, 20199X03.SID,
L: ON=*, OFF=*REF
P: PAGESET/PLT-DL
2/25/02 SYR-54 NES MAD NES
20199060/ROR/20199G09.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg





LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 5-22 RESIDENTIAL PROPERTY PARCEL ID
- FL000980 EXISTING SOIL BORING LOCATION
- 21-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 600 1200
GRAPHIC SCALE

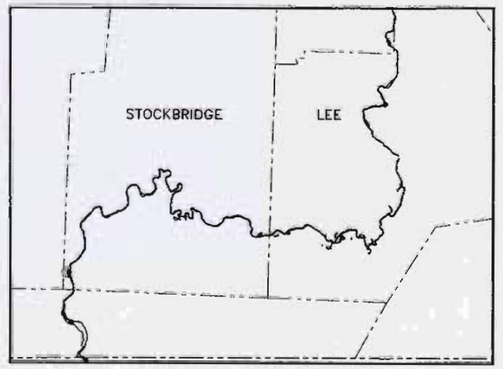
GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 21

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-20

X: 20199X00.DWG, 20199X01.DWG,
20199X02.SID
L: ON=*; OFF=*REF*
P: PAGESET/PLT-DL
2/25/02 SYR-54-GMS KMD NES
20199060/ROR/20199G11.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg



LOCATION PLAN

NOT TO SCALE

LEGEND:

- SITE
- TAX PARCEL BOUNDARY
- 100-YEAR FLOODPLAIN BOUNDARY
- 6-3 RESIDENTIAL PROPERTY PARCEL ID
- F318502 EXISTING SOIL BORING LOCATION
- 22-SS-1 PROPOSED SURFACE SOIL SAMPLE LOCATION
- 22-SB-2 PROPOSED SOIL BORING LOCATION
- APPROXIMATE EXTENT OF ACTUAL/POTENTIAL LAWN BASED ON EPA's PHASE I HUMAN HEALTH RISK ASSESSMENT

NOTES:

1. TAX PARCEL INDENTIFICATION NUMBERS AND TAX PARCEL BOUNDARY INFORMATION OBTAINED FROM THE TOWN OF STOCKBRIDGE TAX ASSESSORS' MAPS AND IS CURRENT THROUGH JANUARY 2001.
2. TOWNSHIP BOUNDARY LINES AND 100-YEAR FLOODPLAIN INFORMATION OBTAINED FROM MassGIS.
3. AERIAL PHOTOGRAPHY OBTAINED FROM USEPA (WESTON).

0 80' 120'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS
PRE-DESIGN INVESTIGATION WORK PLAN FOR
FLOODPLAIN RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE

SUMMARY OF PROPOSED SOIL SAMPLING LOCATIONS FOR GROUP 22

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-21

X: 20199X00.DWG, 20199X02.DWG, 20199X02.SID
L: ON=*; OFF=*REF*
P: PAGESET/PLT-DL
2/25/02 SYR-54-GMS KMD NES
20199060/ROR/20199G12.DWG
GE_Housatonic_Rest_of_River\Notes and Data\401\32\001\Final\Dwg